

PONY

Maths

BOOK 3

Part 1



This book belongs to

.....

.....

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Introduction

In this book:

We will combine the explanation of some lessons and rearrange them according to the unity of the topic to make it easier for the child to understand them in a better way. And link between the ideas presented in these lessons and facilitate the acquisition of skills.

Therefore, the lessons were combined and divided into 4 chapters:

The first chapter: includes methods for collecting and classifying data.

The second chapter: includes numbers and operations on them.

The third chapter: includes multiplication and its properties.

The forth chapter: includes engineering and measurement

في هذا الكتاب:

سنجمع بين شرح بعض الدروس ونعيد ترتيبها حسب وحدة الموضوع ليسهل على الطفل فهمها بشكل افضل. وربط الافكار المعروضة في هذه الدروس وتسهيل اكتساب المهارات.

لذلك جمعت الدروس وقسمت إلى 4 فصول:

الفصل الاول: ويتضمن طرق جمع البيانات وتصنيفها.

الفصل الثاني: يتضمن الاعداد والعمليات عليها.

الفصل الثالث: يتضمن الضرب وخصائصه.

الفصل الرابع: يتضمن الهندسة والقياس



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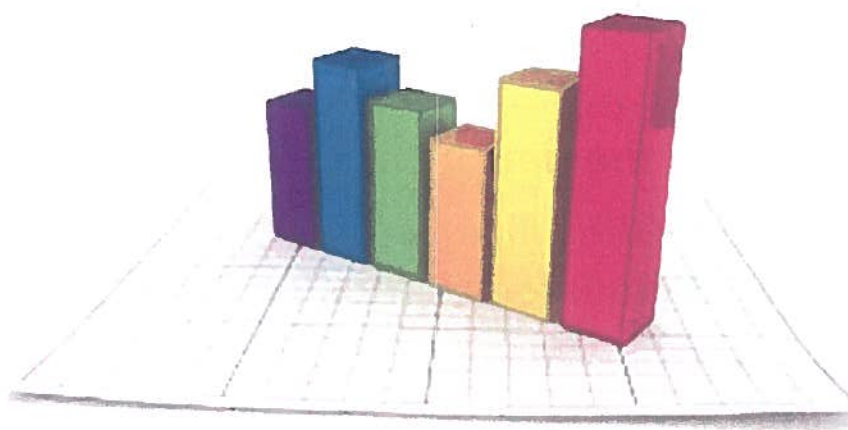


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CHAPTER

ONE



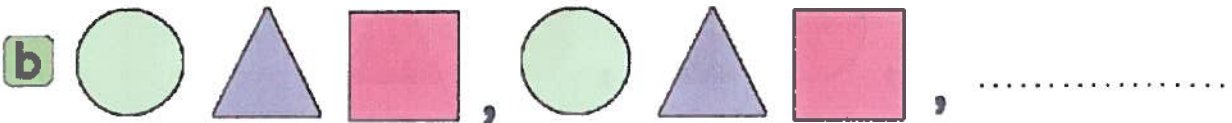
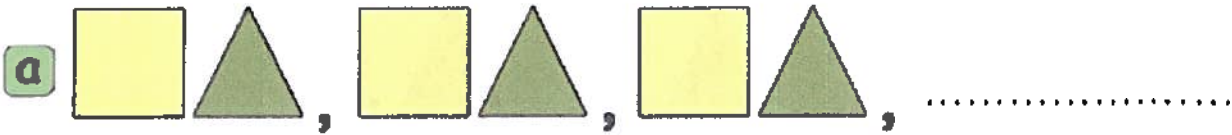
STATISTICS

LESSON

1

The Visual Patterns

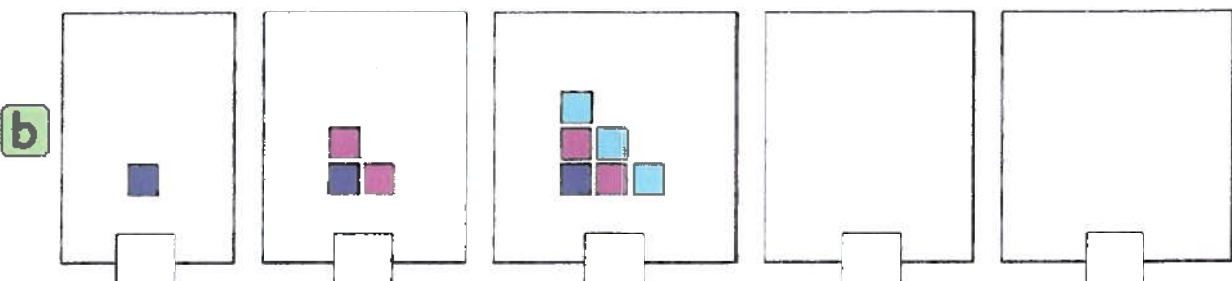
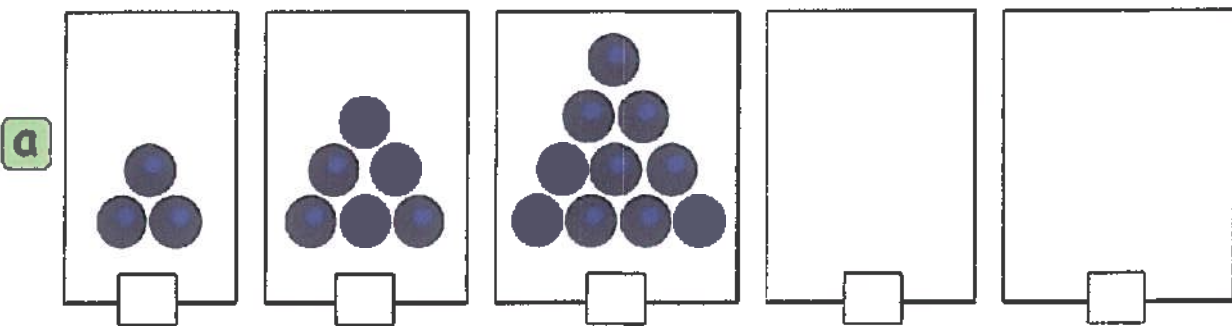
1 Complete the pattern :



c AB , ABB , AB BB , AB BBB ,

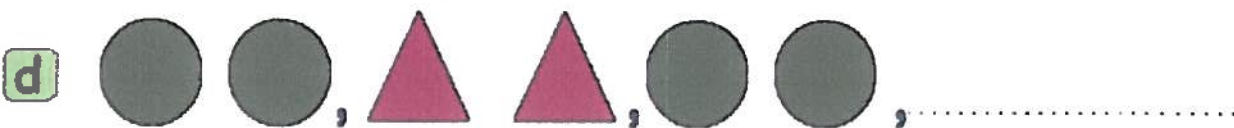
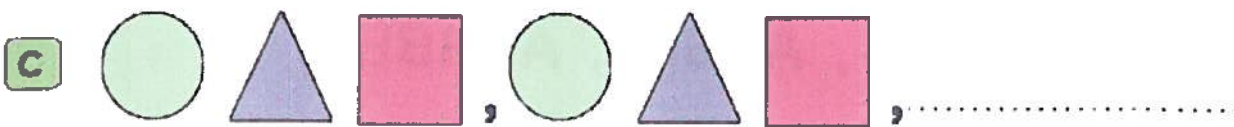
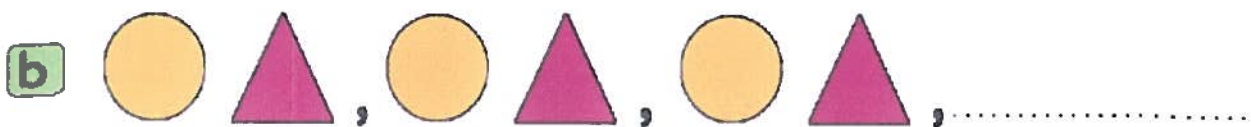
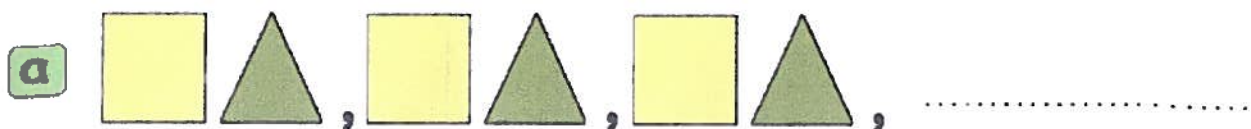
d 10 , 20 , 30 , 40 , 50 , ,

2 Look at the image , then figure out the next two images in the pattern :





1 Complete the pattern :



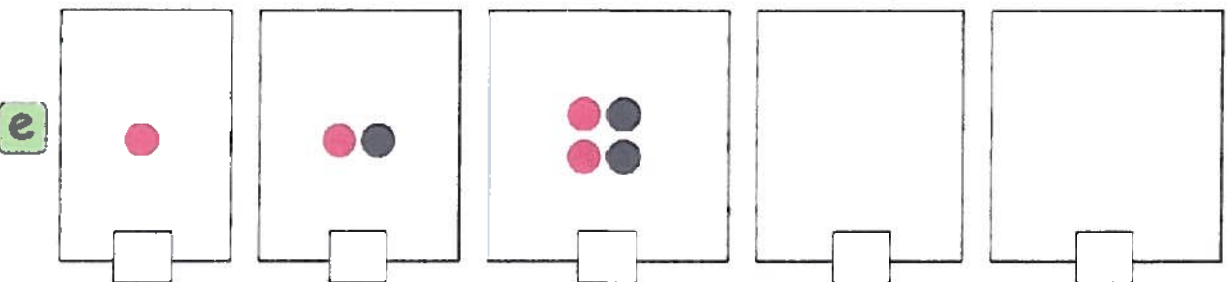
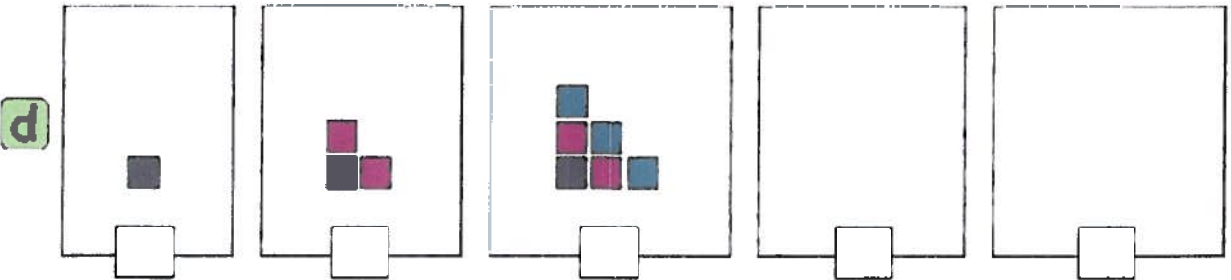
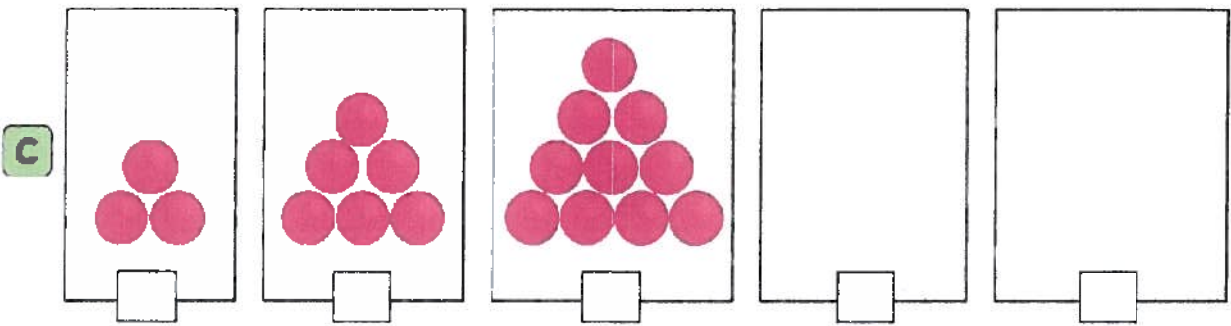
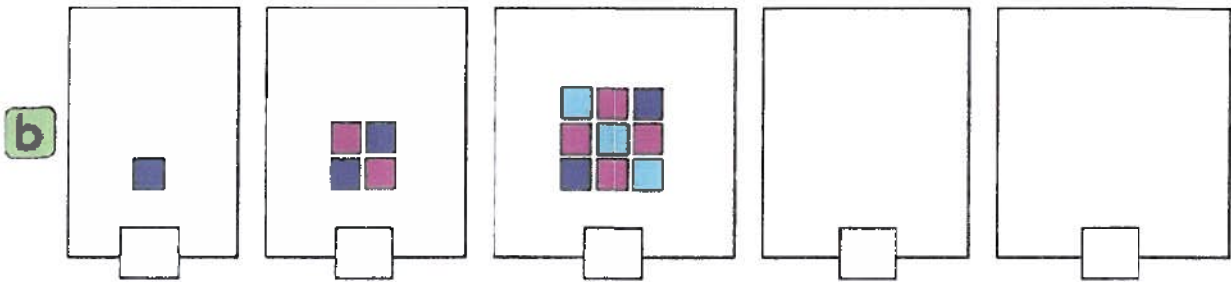
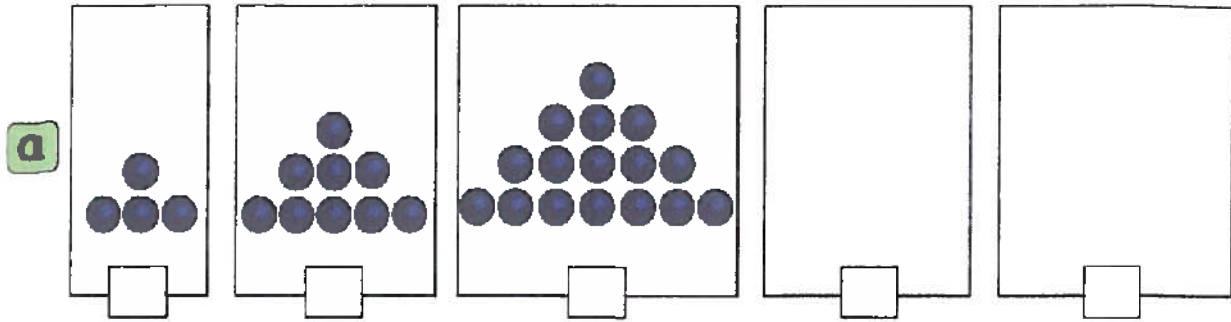
f AB , AABB , AAABBB ,

g UU nn , UU nn , UU nn ,

h 50 , 60 , 70 , 80 , ,

i 60 , 50 , 40 , 30 , ,

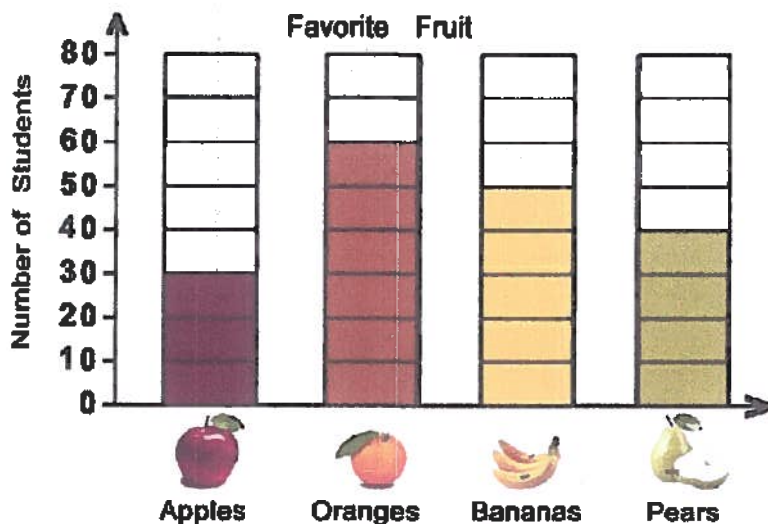
2 Look at the image , then figure out the next two images in the pattern :







LESSON 2

The bar graph & The pictograph

1 Look at the favorite fruit graph and then answer :



a Complete the following table :

Favorite Fruit		Number of Students
Apples		
Oranges		
Bananas		
Pears		































b How many people like oranges ?



c How many people like apples and bananas ?

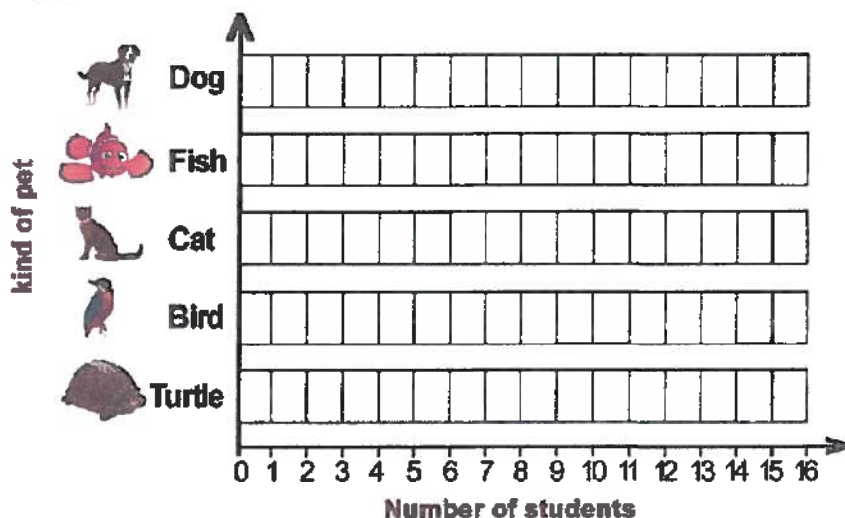
d How many people were asked about their favorite fruit ?

e What is the least popular fruit on this graph ?

2 Convert the same data from pictograph into a bar graph then complet the table

Dog		    
Fish		   
Cat		       
Bird		    
Turtle		  

key	
	2 students
	1 student








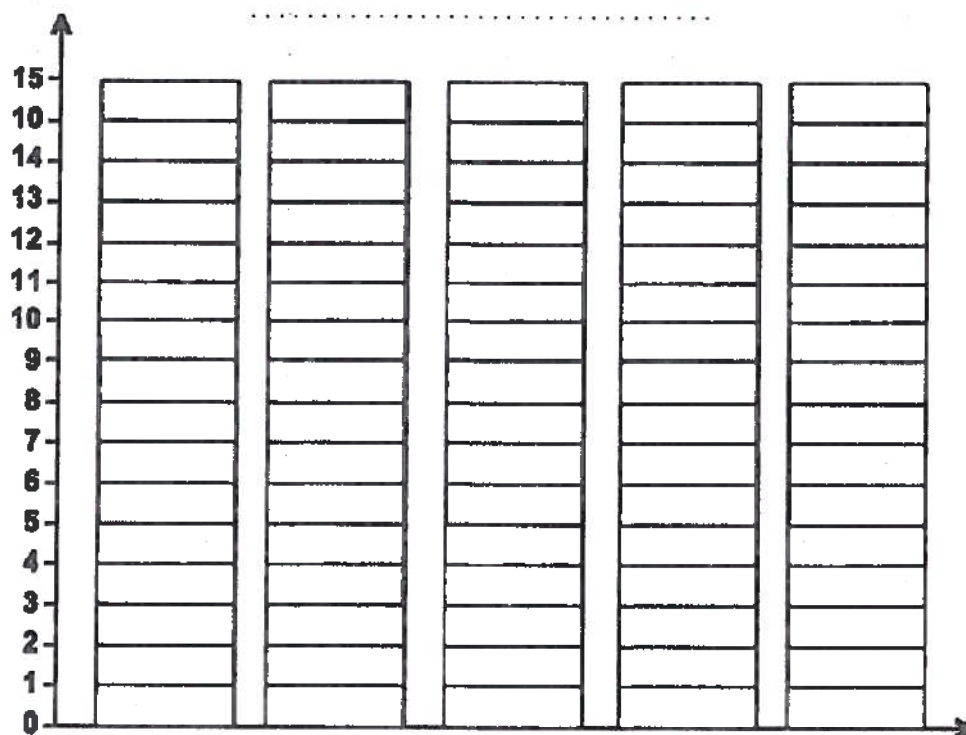
kind of pet	Number of students
Dog	
Fish	
Cat	
Bird	
Turtle	

Answer the questions:

- How many students liked Fish ?
- How many students liked Bird ?
- How many more students liked Cat than Bird ?
- How many more students liked Bird than Turtle ?
- How many students all together liked Dog , Fish and Cat ?
.....
- How many students all together liked Cat , Bird and Turtle ?
.....
- Which **pets** is liked the most ?
- Which **pets** is liked the least ?

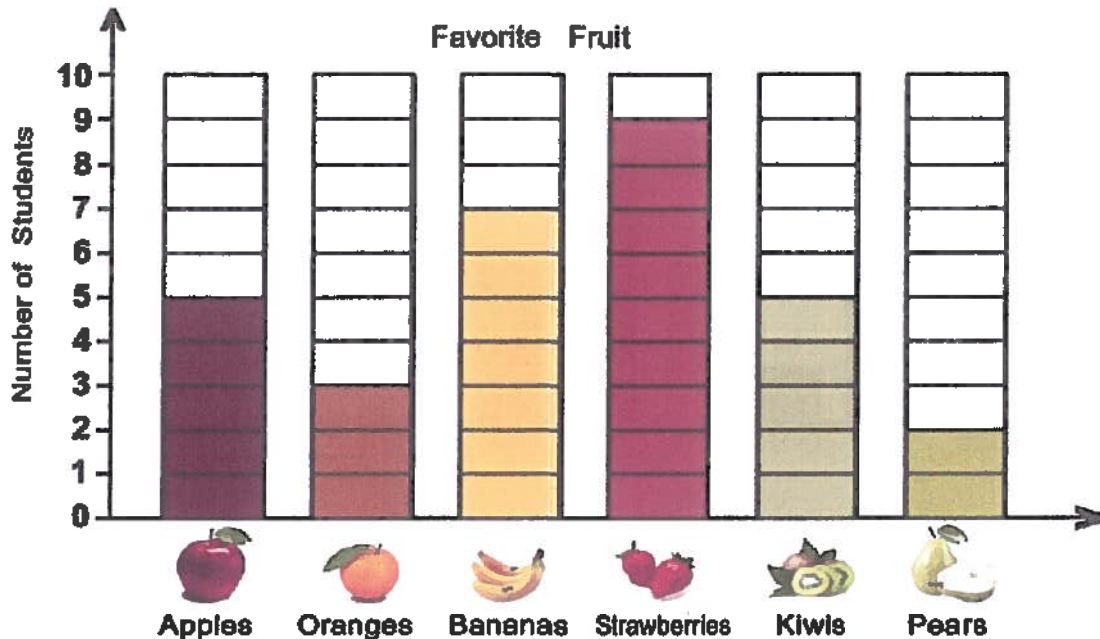
3 Use the following table to complete the bar graph

Favorite Desserts	Tallies	Number of Children
Basbousa	||||	
Kunafa	|||| ||||	
Sweet Potatoes	||||	
Sweet Feteer	|||| |||| ||	
Om Ali	|||| ||||	









- How many children like Kunafa ?
- How many children like Om Ali and Basbousa ?
.....
- Which dessert is liked most ?
- Which dessert is liked least ?

1 Look at the favorite fruit graph and then answer :



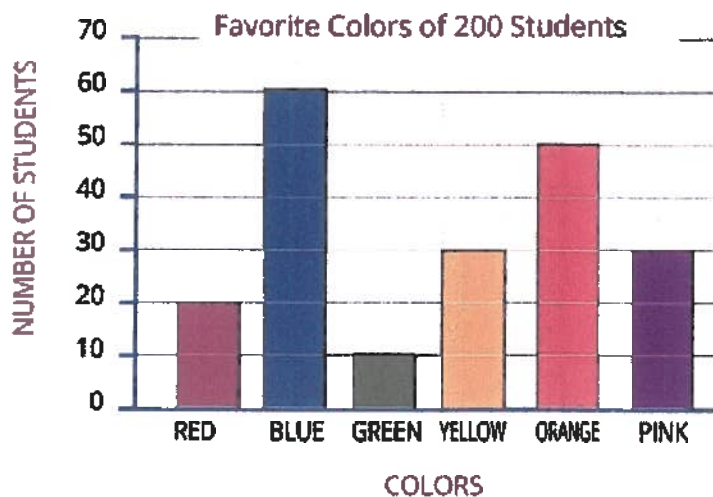
a Complete the following table :

Favorite Fruit						
	Apples	Oranges	Bananas	Strawberries	Kiwis	Pears
Number of Students						

b Answer the questions:

- How many students liked oranges ?
- How many more students liked strawberries than pears ?
- How many students all together liked kiwis , apples and oranges ?
.....
- Which fruit is liked the most ?
- Which fruit is liked the least ?

2 Look at the Favorite Colors graph and then answer questions about the data.

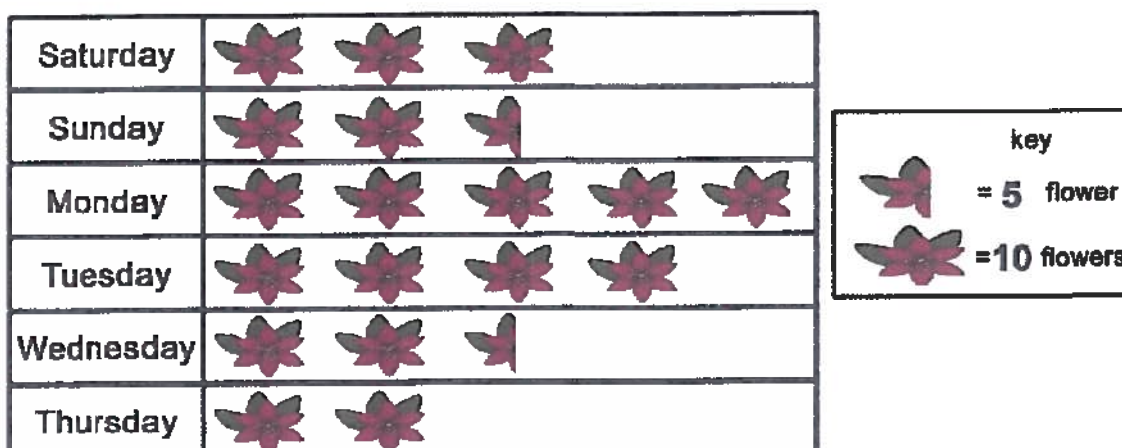


Colors	Number of students
RED	
BLUE	
GREEN	
YELLOW	
ORANGE	
PINK	

Answer the questions:

- a** How many people liked red best?
- b** How many people liked blue best?
- c** How many people liked green best?
- d** How many people liked yellow best?
- e** How many people liked orange best?
- f** How many people liked pink best?
- g** How many people liked pink and blue (pink + blue)?
.....
- h** How many more people liked yellow than green (yellow - green)?
.....
- i** How many people liked red and blue (red + blue)?
.....
- j** How many more people liked blue than orange (blue - orange)?
.....

3 Look at the Pick a Flower pictograph and then answer :








Complete the following table :

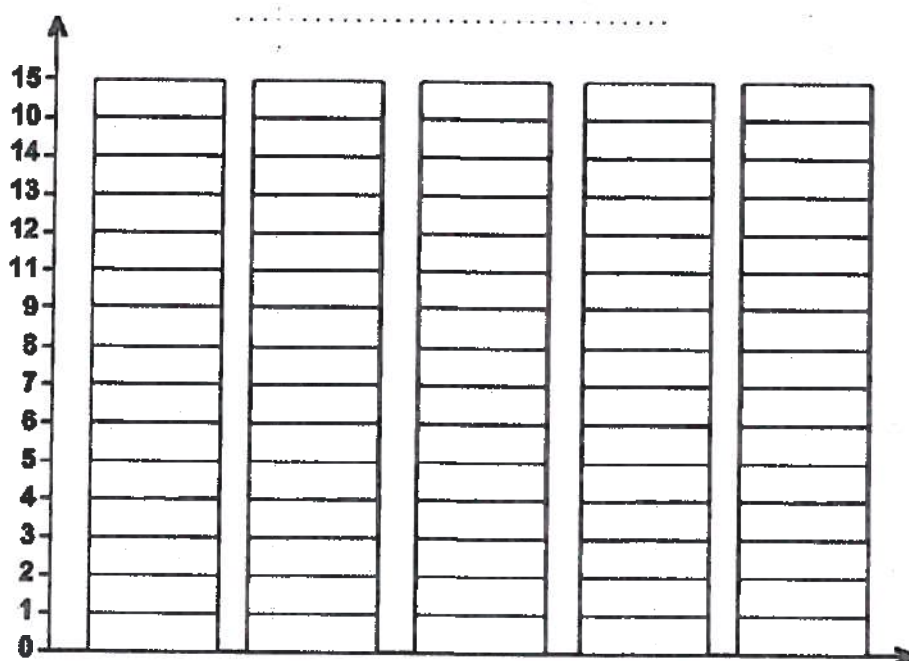
The day	Saturday	Sunday	Monday	Tuesday	Wednesday	Thursday
Number of flowers						

Answer the questions:

- a** How many flowers were picked on Monday ?
- b** How many flowers were picked on Tuesday ?
- c** How many more flowers were picked on Saturday than Sunday ?
.....
- d** How many more flowers were picked on Monday than Tuesday?
.....
- e** How many flowers were picked on Wednesday and Monday ?
.....
- f** How many flowers were picked on Thursday and Sunday ?
.....
- g** Which day had the most number of flowers picked ?
- h** Which day had the least number of flowers picked ?

6 Use the following table to complete the bar graph

Favorite Desserts	Tallies	Number of Children
Basbousa	|||| |	
Kunafa	|||| ||||	
Sweet Potatoes	|||| |	
Sweet Feteer	|||| |||| ||	
Om Ali	|||| |||| ||||	



Use the bar graph : complete using $<$, $=$ or $>$:

- a** Number of children that like Basbousa Number of children that like Kunafa
- b** Number of children that like Potatoes Number of children that like Om Ali
- c** Number of children that like Feteer Number of children that like Basbousa

**First Choose the correct answer**

- a** The place-value of the digit 7 in the number 573 is
(ones or tens or hundreds)
- b** Two hundreds and two = (212 or 220 or 202)
- c** $5 + 0 + 7 = \dots\dots\dots$ (507 or 57 or 12)
- d** 50 tens = hundreds (5 or 55 or 500)
- e** 6 ones + 7 hundreds + 9 tens =
(679 or 976 or 796)

Second Complete the following

- a** 5 ones + 7 tens =
- b** The smallest 2-digit - number is
- c** The value of the digit 5 in the number 58 is
- d** The greatest number forme from the digits 5 and 8 is
- e** 20 , 25 , 30 , 35 , , ,

Third Answer the following

- a** Find the result :

(1) $25 + 33 = \dots\dots\dots$ (2) $48 - 38 = \dots\dots\dots$
(3) $85 + 11 = \dots\dots\dots$ (4) $69 - 32 = \dots\dots\dots$

- b** Arrange the following numbers in an ascending order .

75 , 58 , 92 , 37 , 85

..... , , , ,

- c** Mona has LE 38 and Nada has LE 51 .

How much money do they have altogether ?

They have = + = LE

LESSON

3

The Line Plot graph

Example

The following numbers are the result from a test taken by a class of 24 students:

16 , 14 , 17 , 11 , 14 , 19 , 11 , 17
12 , 21 , 22 , 18 , 11 , 16 , 15 , 14
18 , 12 , 13 , 16 , 17 , 15 , 13 , 17

Make a line plot out of These data :

Step 1: We determin the largest and lowest:

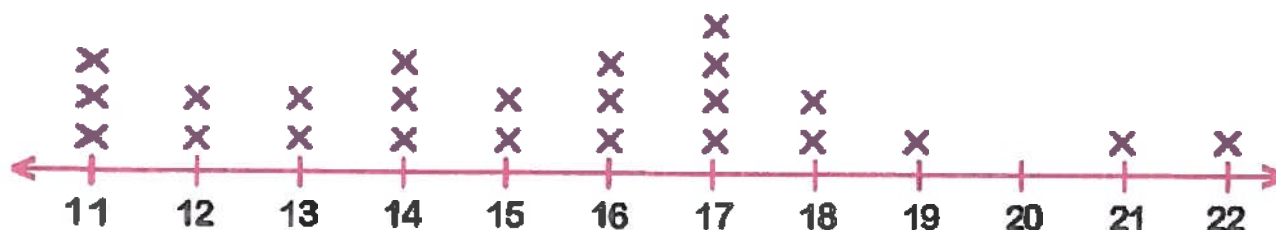
The lowest value : 11

The largest value : 22

Step 2: We determine how often each value is repeated

Marks	11	12	13	14	15	16	17	18	19	20	21	22
Frequency	3	2	2	3	2	3	4	2	1	0	1	1

Step 3: We put the numbers on the number line and put a mark (X) above each value according to their frequency



Title

Number of students

X = 1 student

Key

1 Create a line plot using apples in the basket data :
Be sure to give your line plot a title and a key.



a The lowest value : The largest value :

b The number of times each number is repeated

Number of apples	.....	.....	.....	.....	.....	.....	.....	.....
Frequency	.....	.....	.....	.....	.....	.....	.....	.....

c The line plot :



.....

X =

- 2** The following data shows the weights of **20** children. (in Kilograms) . Creat a line plot using these data.

68 , 65 , 63 , 63 , 62 , 64 , 65 , 61 , 65 , 61
64 , 61 , 64 , 66 , 64 , 62 , 61 , 62 , 68 , 65

- a** The lowest value :

The largest value :

- b** The number of times each number is repeated

The weight	.....	.....	.....	.....	.....	.....	.....	.....
Frequency	.....	.....	.....	.....	.....	.....	.....	.....

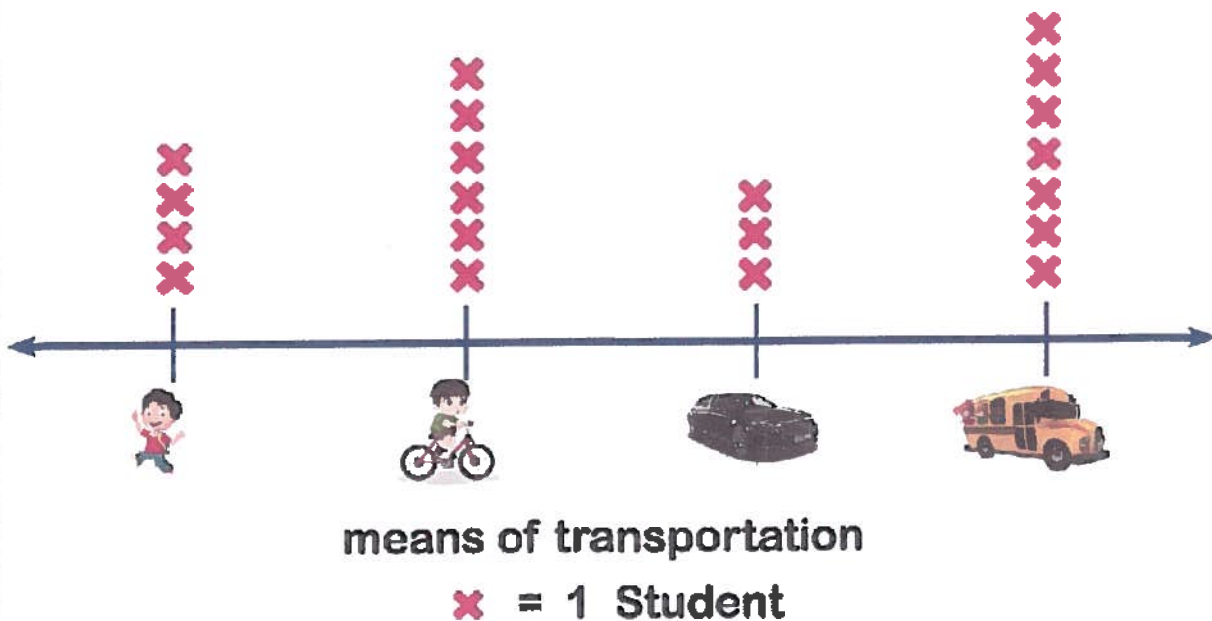
- c** The line plot :



.....

x =

- 3** The following line plot represents the methods used by 20 students to reach school



Answer the following :

- How many students go to school by **bus**?
- How many students go to school by **car**?
- How many students go to school by **bicycle** ?
- How many students go to school on **foot**?
- What is the **most** popular means of transportation for students?
- How many **more** students go by **bus** to school than a **bicycle** ?



1 The following numbers are the result from a test taken by a class of 24 students:

18 , 12 , 13 , 16 , 17 , 17 , 13 , 17
 16 , 14 , 11 , 18 , 14 , 19 , 11 , 17
 21 , 21 , 22 , 18 , 11 , 16 , 15 , 14

Make a line plot out of These data :

a The lowest value :

The largest value :

b The number of times each number is repeated

Marks												
Frequency												

c The line plot :



.....

x =

2 Create a line plot using eggs in the basket data :
Be sure to give your line plot a title and a key.



a The lowest value : The largest value :

b The number of times each number is repeated

Number of eggs	.....	.....	.....	.....	.....	.....	.....	.....	.....
Frequency	.....	.....	.....	.....	.....	.....	.....	.....	.....

c The line plot :



.....

x =

- 3** The following data shows the weights of **20** children. (in Kilograms) . Creat a line plot using these data.

55 , 50 , 54 , 54 , 51 , 55 , 52 , 53 , 57 , 58
58 , 58 , 58 , 54 , 53 , 57 , 51 , 50 , 50 , 52

- a** The lowest value :

The largest value :

- b** The number of times each number is repeated

The weight	.....	.....	.....	.....	.....	.....	.....	.....	.....
Frequency	.....	.....	.....	.....	.....	.....	.....	.....	.....

- c** The line plot :



.....

x =

4 The following data shows the number of students in each of the school's 20 classes, Creat a line plot using these data :

45 , 40 , 46 , 45 , 39 , 40 , 41 , 43 , 45 , 38
44 , 45 , 39 , 43 , 40 , 43 , 38 , 41 , 44 , 39

a The lowest value :.....

The largest value :.....

b The number of times each number is repeated

The number of students	.....	.....	.....	.....	.....	.....	.....	.....	.....
Frequency	.....	.....	.....	.....	.....	.....	.....	.....	.....

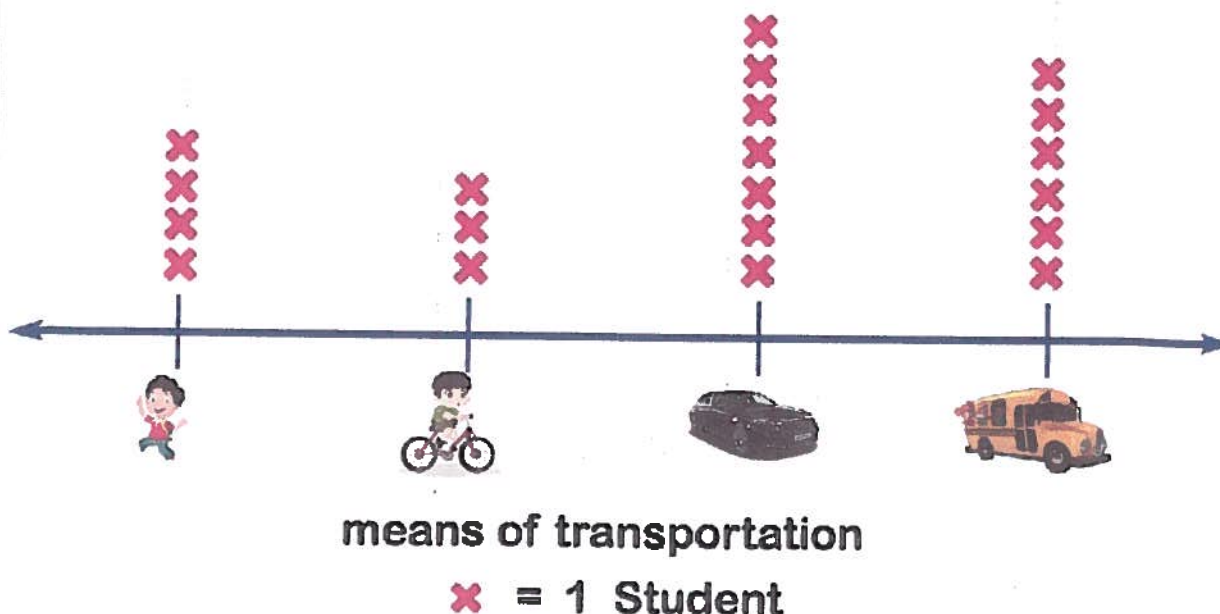
c The line plot :



.....

x =

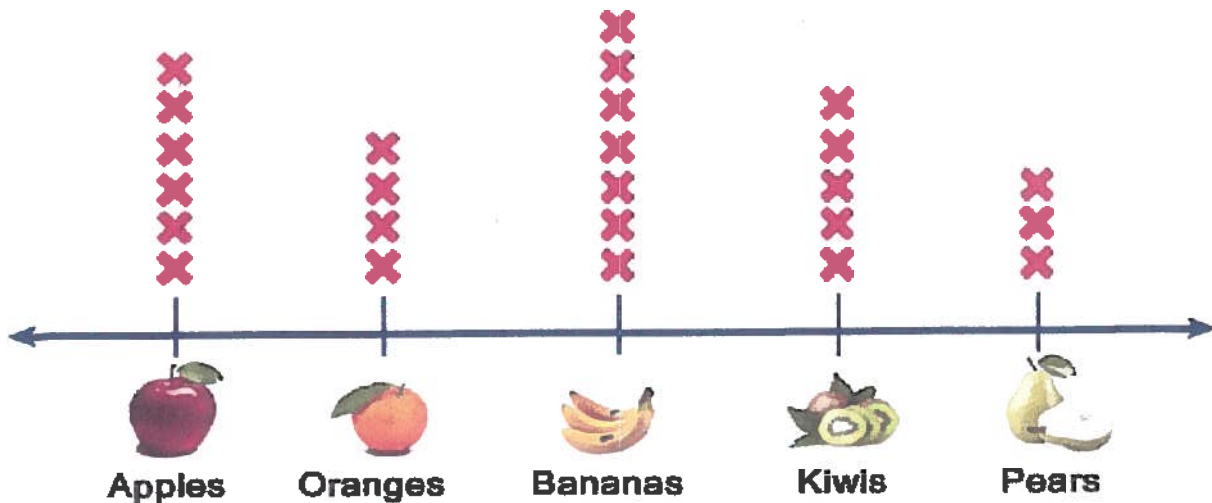
- 5** The following line plot represents the methods used by 20 students to reach school



Answer the following :

- How many students go to school by **bus**?
- How many students go to school by **car**?
- How many students go to school by **bicycle**?
- How many students go to school on **foot**?
- What is the **most** popular means of transportation for students?
- How many **more** students go by **car** to school than a **bus**?



6 The following line plot shows the favorite fruit types for 25 children :



The favorite fruit

x = 1 child

Complete the following table :

Favorite Fruit					
	Apples	Oranges	Bananas	Kiwis	Pears
Number of children					

Answer the questions:

- How many children liked oranges ?
- How many more children liked apples than pears ?
.....
- How many children all together liked kiwis , apples and oranges ?
.....
- Which fruit is liked the most ?
- Which fruit is liked the least ?



Sheet 2

First Choose the correct answer

- a** The smallest number formed from 5 , 0 and 3 =
(503 or 305 or 350)
- b** $7 + 20 + 800 = \dots\dots\dots$ (728 or 278 or 827)
- c** One hundred and ten = (110 or 101 or 111)
- d** The number 580 comes right after (581 or 579 or 570)
- e** The place value of the digit 3 in the number 534 =
(hundreds or ones or tens)

Second Complete the following

- a** The largest 3-digit - number is
- b** The value of the digit 0 in the number 209 is
- c** 105 , 100 , 95 , 90 , , ,
- d** $500 = \dots\dots\dots$ tens
- e** The number that comes right before 600 is

Third Answer the following

- a** Find the result :

$$585 + 315 = \dots\dots\dots \quad 800 - 86 = \dots\dots\dots$$

$$97 + 13 = \dots\dots\dots \quad 58 - 18 = \dots\dots\dots$$

- b** Arrange the following numbers in an ascending order .

405 , 504 , 450 , 540 , 500

..... , , , ,

- c** Shimaa had LE 750 , she bought a T-shirt for LE 185 .
Find the remaining money with her ?
The remainder = - = LE

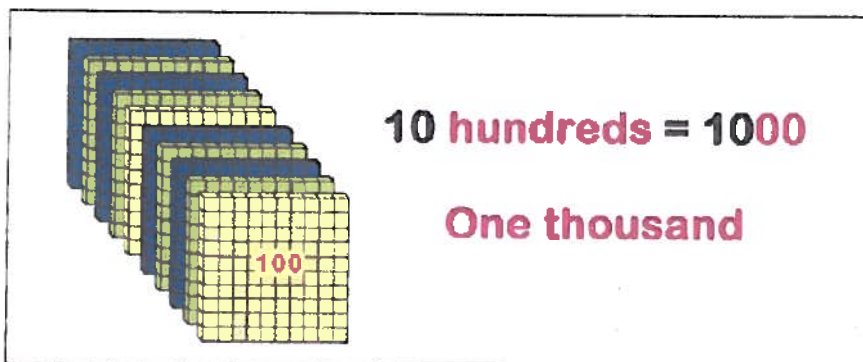
CHAPTER

TWO

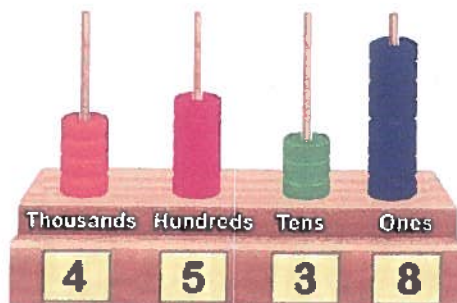


NUMBER

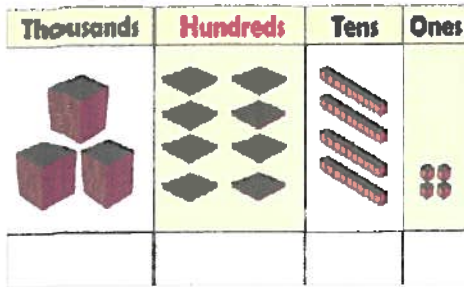
UP TO 999 999

LESSON 1
4-digit numbers (Thousands)


Thousands	Hundreds	Tens	Ones
4	5	3	8


STANDARD FORM
4 538
WORD FORM
Four thousand , five hundred and thirty eight.
SHORT WORD FORM
4 thousand , 538
EXPANDED FORM
4000 + 500 + 30 + 8
4 thousands + 5 hundreds + 3 tens + 8 ones

Write the number shown on the figure:



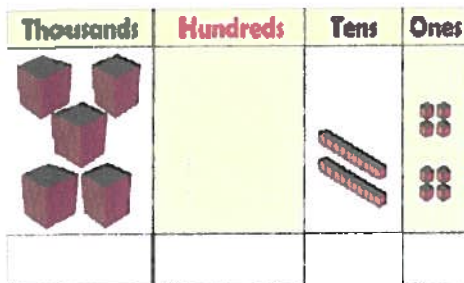
STANDARD FORM

WORD FORM

SHORT WORD FORM

EXPANDED FORM

thousands + hundreds + tens + ones



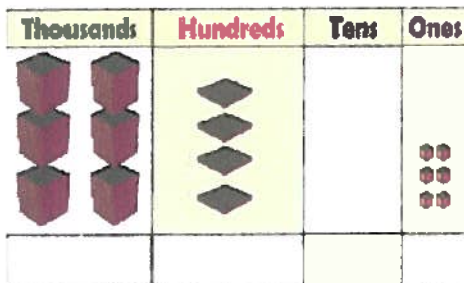
STANDARD FORM

WORD FORM

SHORT WORD FORM

EXPANDED FORM

thousands + hundreds + tens + ones



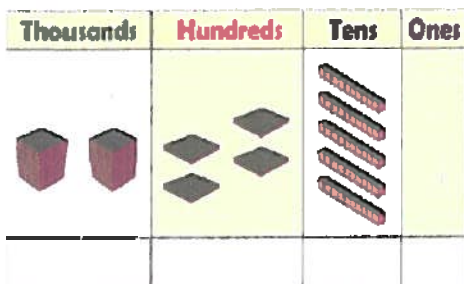
STANDARD FORM

WORD FORM

SHORT WORD FORM

EXPANDED FORM

thousands + hundreds + tens + ones



STANDARD FORM

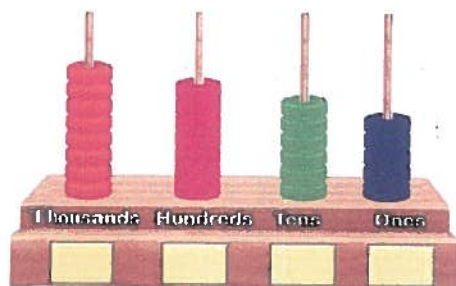
WORD FORM

SHORT WORD FORM

EXPANDED FORM

thousands + hundreds + tens + ones

Write the number shown on the figure:



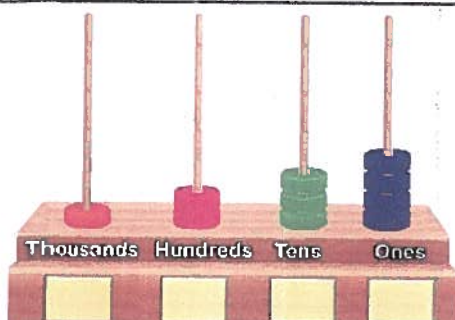
STANDARD FORM

WORD FORM

SHORT WORD FORM

EXPANDED FORM

..... thousands + hundreds + tens + ones



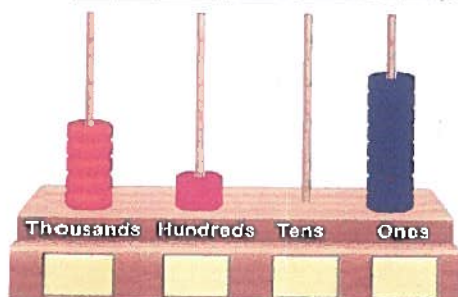
STANDARD FORM

WORD FORM

SHORT WORD FORM

EXPANDED FORM

..... thousands + hundreds + tens + ones



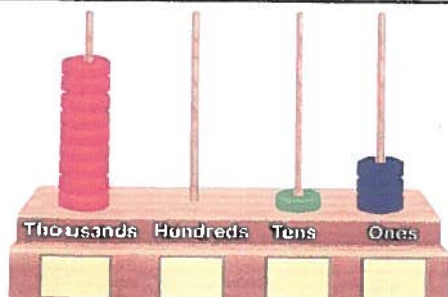
STANDARD FORM

WORD FORM

SHORT WORD FORM

EXPANDED FORM

..... thousands + hundreds + tens + ones



STANDARD FORM

WORD FORM

SHORT WORD FORM

EXPANDED FORM

..... thousands + hundreds + tens + ones

Complete the following table :

STANDARD FORM	WORD FORM	SHORT WORD FORM	EXPANDED FORM
6 354	..... ..... .....	..... ..... .....	..... + ..... + ..... ..... Thousands + hundreds + tens + ones
.....	Nine thousand , five hundred and seventy four	..... ..... .....	..... + ..... + ..... ..... Thousands + hundreds + tens + ones
..... ..... .....	..... ..... .....	8 thousand , 502	..... + ..... + ..... ..... Thousands + hundreds + tens + ones
..... ..... .....	..... ..... .....	..... ..... .....	$700 + 300 + 20 + 8$ Thousands + hundreds + tens + ones
.....	Six thousand , and twenty	..... ..... .....	..... + ..... + ..... ..... Thousands + hundreds + tens + ones
3 008	..... ..... .....	..... ..... .....	..... + ..... + ..... ..... Thousands + hundreds + tens + ones



Write the number shown on the figure:

Thousands	Hundreds	Tens	Ones

STANDARD FORM

WORD FORM

SHORT WORD FORM

EXPANDED FORM

..... thousands + hundreds + tens + ones

Thousands	Hundreds	Tens	Ones

STANDARD FORM

WORD FORM

SHORT WORD FORM

EXPANDED FORM

..... thousands + hundreds + tens + ones

Thousands	Hundreds	Tens	Ones

STANDARD FORM

WORD FORM

SHORT WORD FORM

EXPANDED FORM

..... thousands + hundreds + tens + ones

Thousands	Hundreds	Tens	Ones

STANDARD FORM

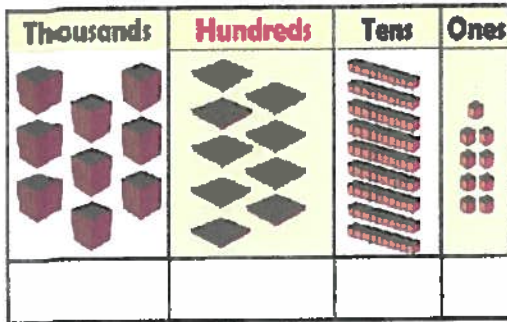
WORD FORM

SHORT WORD FORM

EXPANDED FORM

..... thousands + hundreds + tens + ones

Write the number shown on the figure:



STANDARD FORM

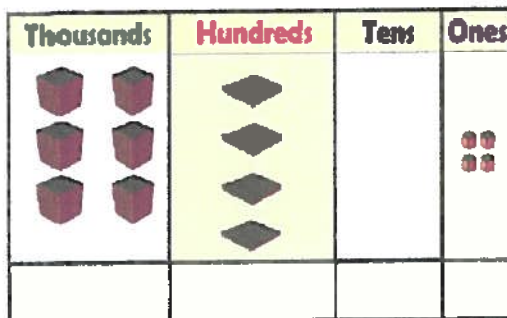
.....

WORD FORM

SHORT WORD FORM

EXPANDED FORM

..... thousands + hundreds + tens + ones



STANDARD FORM

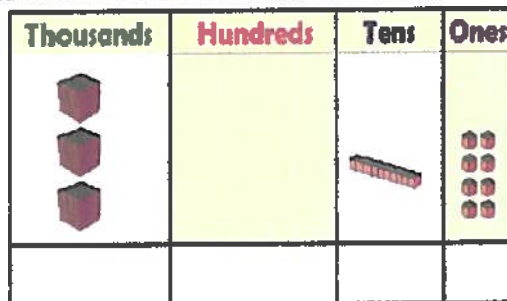
.....

WORD FORM

SHORT WORD FORM

EXPANDED FORM

..... thousands + hundreds + tens + ones



STANDARD FORM

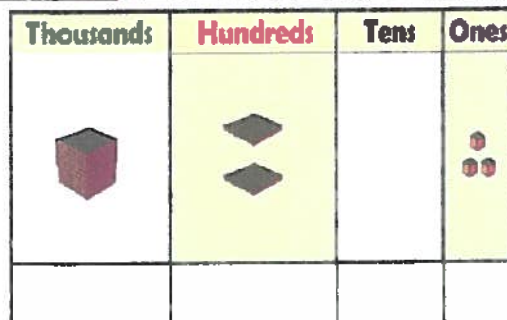
.....

WORD FORM

SHORT WORD FORM

EXPANDED FORM

..... thousands + hundreds + tens + ones



STANDARD FORM

.....

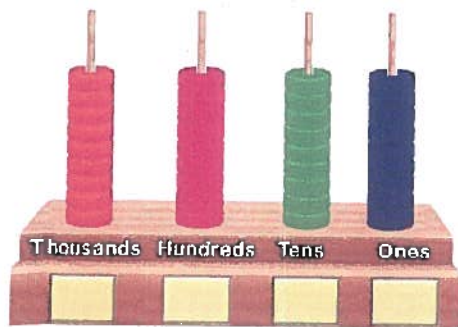
WORD FORM

SHORT WORD FORM

EXPANDED FORM

..... thousands + hundreds + tens + ones

Write the number shown on the Abacus :



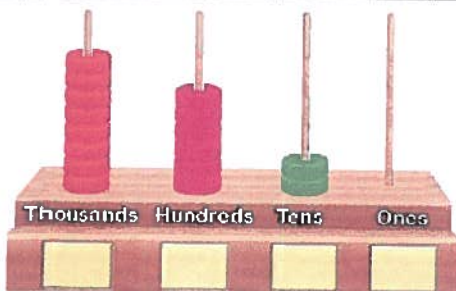
STANDARD FORM

WORD FORM

SHORT WORD FORM

EXPANDED FORM

..... thousands + hundreds + tens + ones



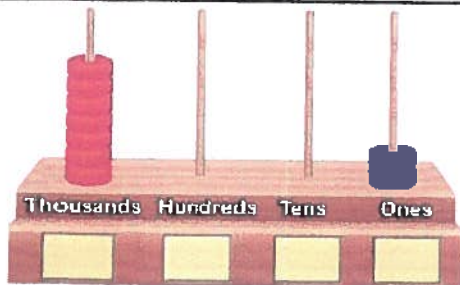
STANDARD FORM

WORD FORM

SHORT WORD FORM

EXPANDED FORM

..... thousands + hundreds + tens + ones



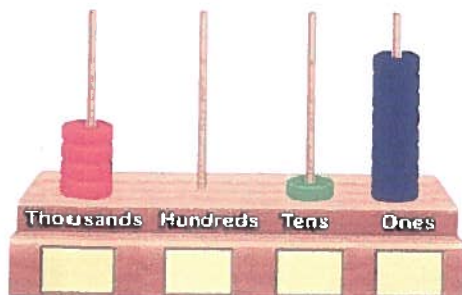
STANDARD FORM

WORD FORM

SHORT WORD FORM

EXPANDED FORM

..... thousands + hundreds + tens + ones



STANDARD FORM

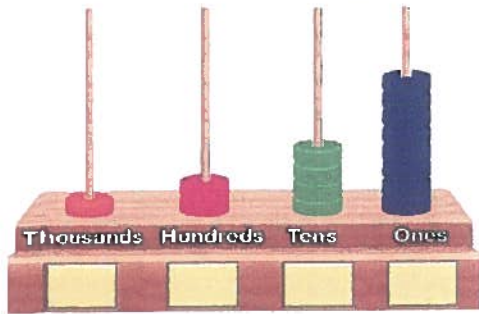
WORD FORM

SHORT WORD FORM

EXPANDED FORM

..... thousands + hundreds + tens + ones

Write the number shown on the Abacus :



STANDARD FORM

.....

WORD FORM

.....
.....
.....

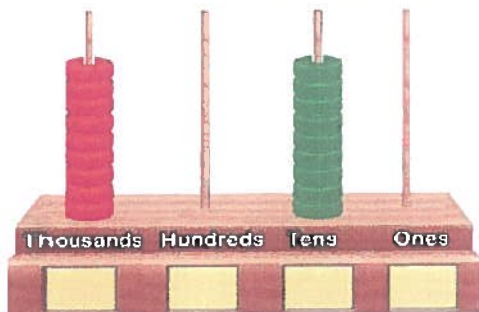
SHORT WORD FORM

.....
.....

EXPANDED FORM

..... + + +

..... thousands + hundreds + tens + ones



STANDARD FORM

.....

WORD FORM

.....
.....
.....

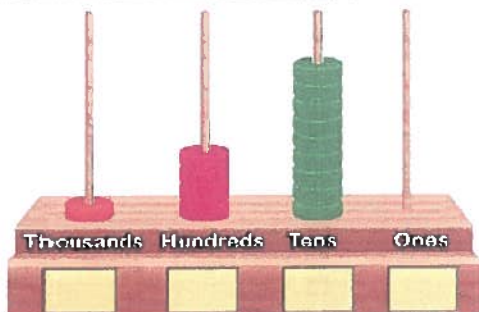
SHORT WORD FORM

.....
.....

EXPANDED FORM

..... + + +

..... thousands + hundreds + tens + ones



STANDARD FORM

.....

WORD FORM

.....
.....
.....

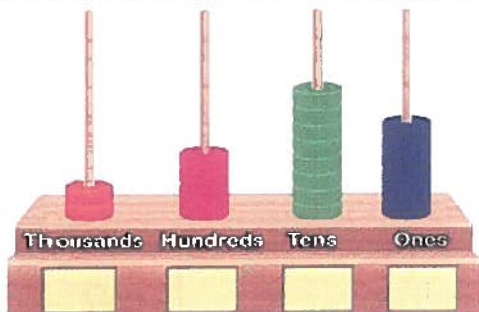
SHORT WORD FORM

.....
.....

EXPANDED FORM

..... + + +

..... thousands + hundreds + tens + ones



STANDARD FORM

.....

WORD FORM

.....
.....
.....

SHORT WORD FORM

.....
.....

EXPANDED FORM

..... + + +

..... thousands + hundreds + tens + ones

Complete the following table :

STANDARD FORM	WORD FORM	SHORT WORD FORM	EXPANDED FORM
8 365	..... ..... .....	..... ..... .....	..... + ..... + ..... Thousands + hundreds + tens + ones
.....	Nine thousand , five hundred and sixteen	..... ..... .....	..... + ..... + ..... Thousands + hundreds + tens + ones
..... ..... .....	..... ..... .....	9 thousand , 73	..... + ..... + ..... Thousands + hundreds + tens + ones
..... ..... .....	..... ..... .....	..... ..... .....	3000 + 500 + 30 + 2 Thousands + hundreds + tens + ones
.....	Two thousand and Five hundred	..... ..... .....	..... + ..... + ..... Thousands + hundreds + tens + ones
3 285	..... ..... .....	..... ..... .....	..... + ..... + ..... Thousands + hundreds + tens + ones

Complete the following table :

STANDARD FORM	WORD FORM	SHORT WORD FORM	EXPANDED FORM
.....	$7000 + 0 + 0 + 5$ Thousands + hundreds + tens + ones
.....	9 thousand , 127	..... + ..... + ..... + ..... ..... Thousands + hundreds + tens + ones
.....	Nine thousand one hundred and seven	..... .....	..... + ..... + ..... + ..... ..... Thousands + hundreds + tens + ones
6 327 + + + Thousands + hundreds + tens + ones
.....	$9000 + 500 + 40 + 8$ Thousands + hundreds + tens + ones
.....	4 thousand , 16	..... + ..... + ..... + ..... ..... Thousands + hundreds + tens + ones

Sheet 1

First Choose the correct answer

- a** Six thousand , 12 (in digits) = (6 012 or 6 003 or 6 120)
b Five thousand and fifty one = (5 510 or 5 501 or 5 051)
c $3 + 0 + 0 + 5 =$ (3 005 or 8 or 35)
d 10 hundreds = thosand (1 or 10 or 1000)
e $9000 + 50 + 100 + 6 =$ (9 516 or 9 156 or 9 165)

Second Complete the following

- a** Nine thousand and fifty two (in digits) =
b 7 012 (in words) is
c $5 + 70 + 800 + 3\ 000 =$
d 3 thousands = hundreds
e 8 thousand , 45 (in digits) =

Third Answer the following

a Match :

Five thousand and sixteen

$4000 + 500 + 20 + 7$

9 thousand , 40

$5\ 000 + 0 + 10 + 6$




4 thousand , 527

9 thousand , 721

Nine thousand , seven
hundred and twenty one

Nine thousand
and forty

b Complete :

Thousands	Hundreds	Tens	Ones
			

STANDARD FORM

WORD FORM

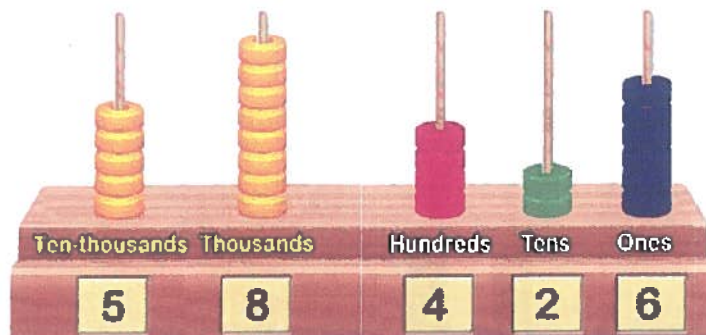
SHORT WORD FORM

EXPANDED FORM

LESSON 2

5-digit numbers
(**Ten-thousands**)

Ten-thousands	One-thousands thousands	Hundreds	Tens	Ones
5	8	4	2	6

STANDARD
FORM

58 426

WORD
FORMFifty eight **thousand** , four hundred
and twenty sixSHORT WORD
FORM58 **thousand** , 426EXPANDED
FORM $50\ 000 + 8\ 000 + 400 + 20 + 6$ 58 **thousands** + 4 **hundreds** + 2 **tens** + 6 **ones**

Remarks

10 thousands = 10 000

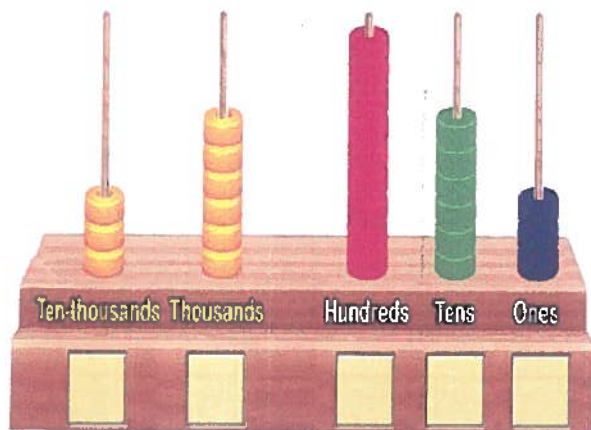
10 thousands = 100 hundreds

10 thousands = 1000 tens

20 000 = 20 thousands = 200 hundreds = 2000 tens

2 000 = 2 thousands = 20 hundreds = 200 tens

Write the number shown on the Abacus :



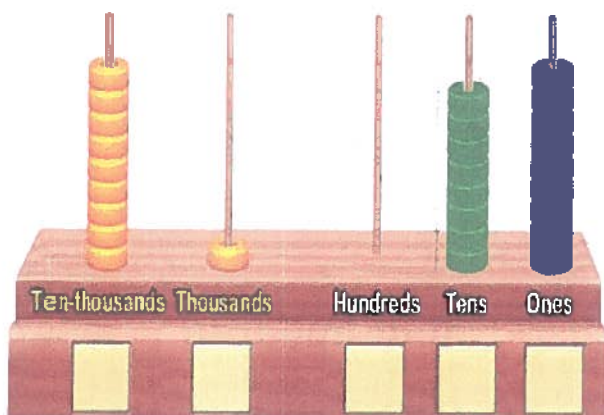
STANDARD FORM

SHORT WORD FORM

WORD FORM

EXPANDED FORM

thousands + hundreds + tens + ones



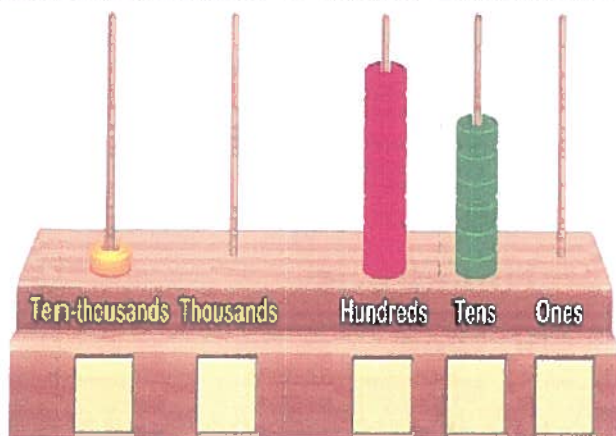
STANDARD FORM

SHORT WORD FORM

WORD FORM

EXPANDED FORM

thousands + hundreds + tens + ones



STANDARD FORM

SHORT WORD FORM

WORD FORM

EXPANDED FORM

thousands + hundreds + tens + ones

Complete the following :

STANDARD FORM	70 357	SHORT WORD FORM	
		WORD FORM	
EXPANDED FORM	$\dots + \dots + \dots + \dots$ Thousands + hundreds + tens + ones		

STANDARD FORM		SHORT WORD FORM	48 thousand , 307
		WORD FORM	
EXPANDED FORM	$\dots + \dots + \dots + \dots$ Thousands + hundreds + tens + ones		

STANDARD FORM		SHORT WORD FORM	
		WORD FORM	Twenty eight thousand , nine hundred and fifty one.
EXPANDED FORM	$\dots + \dots + \dots + \dots$ Thousands + hundreds + tens + ones		

STANDARD FORM		SHORT WORD FORM	
		WORD FORM	
EXPANDED FORM	$90\ 000 + 1\ 000 + 700 + 30 + 2$ Thousands + hundreds + tens + ones		

Write the following numbers in standard form:

- a) Fifty six thousand , two hundred forty five :
- b) 29 thousands + 2 hundreds + 9 tens + 2 ones =
- c) 18 thousands , 736 =
- d) 50 000 + 4 000 + 20 + 5 =

Write the following numbers in word form:

- a) 26 128 :
- b) 50 thousand + 2 hundreds + 3 ones :
- c) 16 thousand , 203 :
- d) 20 000 + 20 :

Write the following numbers in short word form:

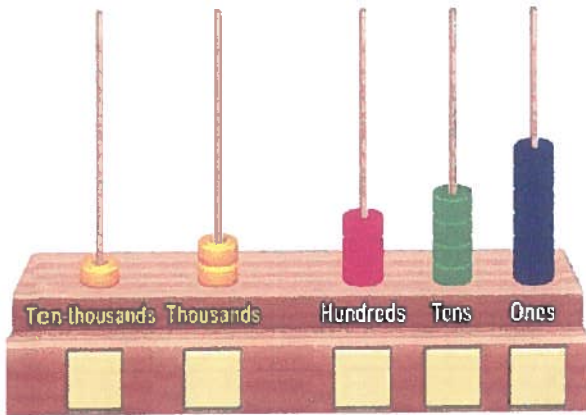
- a) Nineteen thousand and fifteen :
- b) 12 thousands + 3 tens :
- c) 75 207 :
- d) 80 000 + 500 + 90 + 1 =

Write the following numbers in expanded form:

- a) 25 128 = + + + +
- b) 75 193 = thousands + hundreds + ... tens + ... ones
- c) Seventy five thousand , nine hundred sixty four
= + + + +
- d) 25 thousand , 15 = + + + +



Write the number shown on the Abacus :



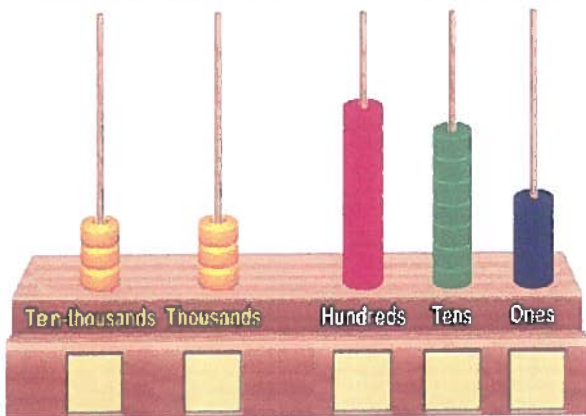
STANDARD FORM

SHORT WORD FORM

WORD FORM

EXPANDED FORM

..... + + + +
 thousands + hundreds + tens + ones



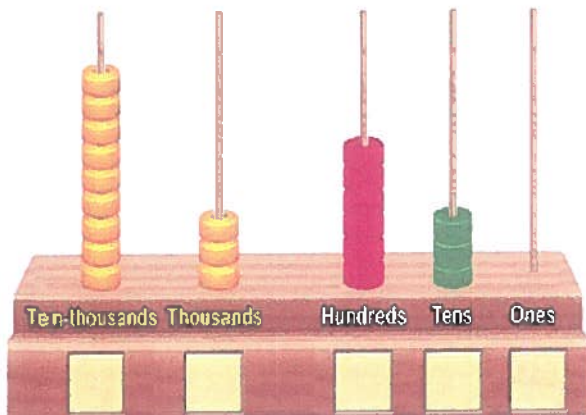
STANDARD FORM

SHORT WORD FORM

WORD FORM

EXPANDED FORM

..... + + + +
 thousands + hundreds + tens + ones



STANDARD FORM

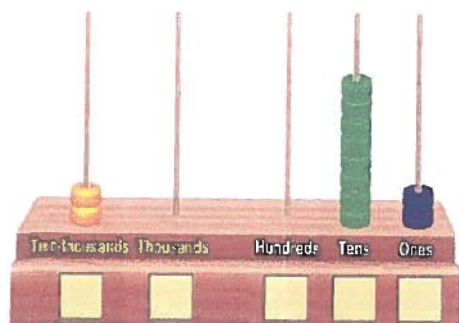
SHORT WORD FORM

WORD FORM

EXPANDED FORM

..... + + + +
 thousands + hundreds + tens + ones

Write the number shown on the Abacus :



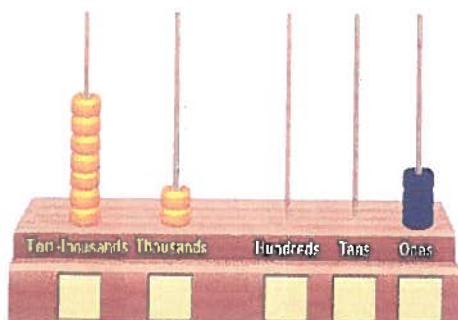
STANDARD FORM

WORD FORM

SHORT WORD FORM

EXPANDED FORM

..... + + + +
 thousands + hundreds + tens + ones



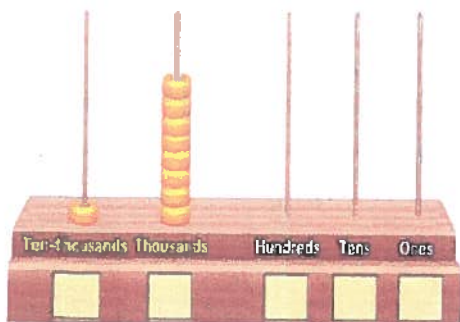
STANDARD FORM

WORD FORM

SHORT WORD FORM

EXPANDED FORM

..... + + + +
 thousands + hundreds + tens + ones



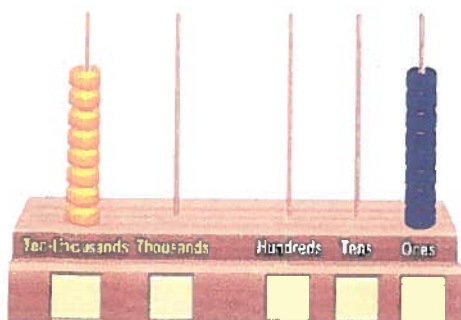
STANDARD FORM

WORD FORM

SHORT WORD FORM

EXPANDED FORM

..... + + + +
 thousands + hundreds + tens + ones



STANDARD FORM

WORD FORM

SHORT WORD FORM

EXPANDED FORM

..... + + + +
 thousands + hundreds + tens + ones

Complete the following table :

STANDARD
FORM

87 635

SHORT WORD
FORM

WORD
FORM

EXPANDED
FORM

..... + + +
..... Thousands + hundreds + tens + ones

STANDARD
FORM

52 038

SHORT WORD
FORM

WORD
FORM

EXPANDED
FORM

..... + + +
..... Thousands + hundreds + tens + ones

STANDARD
FORM

.....

SHORT WORD
FORM

68 thousand , 200

WORD
FORM

EXPANDED
FORM

..... + + +
..... Thousands + hundreds + tens + ones

STANDARD
FORM

.....

SHORT WORD
FORM

15 thousand , 150

WORD
FORM

EXPANDED
FORM

..... + + +
..... Thousands + hundreds + tens + ones

Complete the following:

**STANDARD
FORM**

**SHORT WORD
FORM**

**WORD
FORM**

**Twenty thousand,
two hundred and two**

**EXPANDED
FORM**

..... + + +
..... Thousands + hundreds + tens + ones

**STANDARD
FORM**

**SHORT WORD
FORM**

**WORD
FORM**

**fifty eighty thousand,
one hundred and thirty two**

**EXPANDED
FORM**

..... + + +
..... Thousands + hundreds + tens + ones

**STANDARD
FORM**

**SHORT WORD
FORM**

**WORD
FORM**

**EXPANDED
FORM**

70 000 + 3 000 + 500 + 60 + 7

..... Thousands + hundreds + tens + ones

**STANDARD
FORM**

**SHORT WORD
FORM**

**WORD
FORM**

**EXPANDED
FORM**

..... + + +
98 Thousands + 5 hundreds + 6 tens + 2 ones

Write the following numbers in standard form :

- Ninety six thousand , five hundred and fifteen :
- Seventy thousand , Two hundred and five :
- Ten thousand and five :
- Sixteen thousand and four hundred :
- Five thousand and eleven :
- $30\ 000 + 2\ 000 + 500 + 40 + 2 =$
- $800 + 50\ 000 + 7 =$
- $20 + 1 + 70\ 000 + 4000 =$
- $25\ \text{thousand} + 4\ \text{hundred} + 6\ \text{tens} + 2\ \text{ones} =$
- $8\ \text{hundreds} + 15\ \text{thousands} + 2\ \text{ones} + 3\ \text{tens} =$
- $5\ \text{hundreds} + 20\ \text{thousands} + 4\ \text{ones} + 6\ \text{tens} =$
- $45\ \text{thousand} , 105 =$

Write the following numbers in expanded form :

- $35\ 256 =$ + + + +
- $98\ 125 =$ + + + +
- $30\ 065 =$ + + + +
- Ninety six thousand , Two hundred and fifty seven
 $=$ + + + +
- Eighty thousand , five hundred and two
 $=$ + + + +
- Ten Thousand and five
 $=$ + + + +
- 15 thousand , 298
 $=$ + + + +
- $70\ \text{thousand} , 25 =$ + + + +

Write the following numbers in expanded form :

- a) 35 256 = ... thousands + ... hundreds + ... tens + ... ones
b) 40 128 = ... thousands + ... hundreds + ... tens + ... ones
c) 96 138 = ... hundreds + ... thousands + ... ones + ... tens
d) 18 050 = ... tens + ... thousands + ... ones + ... hundreds
e) Seventy two thousand, six hundred and fourteen
f) = ... thousands + ... ones + ... hundreds + ... tens
g) Eighteen thousand, Five hundred and twenty seven
h) = ... thousands + ... hundreds + ... tens + ... ones
i) Ninety thousand , and nineteen
j) = ... tens + ... hundreds + ... thousands + ... ones

Write the following numbers in word form :

- a) 45 369
.....
b) 29 023
.....
c) 20 105
.....
d) 12 thousand, 208
.....
e) 18 thousand , 830
.....
f) 10 thousand ,070
.....

Write the following numbers in word form :

a) $30\text{ thousand} + 5\text{ hundreds} + 4\text{ tens} + 2\text{ ones} =$

.....

.....

b) $63\text{ thousand} + 8\text{ tens} + 5\text{ hundreds} + 2\text{ ones} =$

.....

.....

c) $2\text{ hundreds} + 52\text{ thousands} + 2\text{ ones} + 6\text{ tens} =$

.....

.....

d) $7\text{ ones} + 68\text{ thousands} + 4\text{ hundreds} + 3\text{ tens} =$

.....

.....

e) $50\ 000 + 2\ 000 + 100 + 30 + 4 =$

.....

.....

f) $10 + 90\ 000 + 600 + 4 + 7\ 000 =$

.....

.....

g) $20\ 000 + 50 + 4 =$

.....

.....

h) $90\ 000 + 4\ 000 + 20 =$

.....

.....



Sheet 2

First Choose the correct answer

- a** Sixty thousand , seven hundred and ninety six =
(6 796 or 60 796 or 67 096)
- b** Ninety thousand , 19 = (90 019 or 19019 or 9019)
- c** $30\,000 + 200 + 4 = \dots\dots\dots$ (30 024 or 32 004 or 30 204)
- d** 100 hundreds =..... thosand (10 000 or 100 or 10)
- e** 25 thousands + 6 ones + 7 hundreds + 9 tens =
(25 679 or 25 796 or 25 769)

Second Complete the following

- a** 15 thousand , 50 = (Standard form)
- b** $200 + 50\,000 + 6 + 9000 + 7 = \dots\dots\dots$ (Standard form)
- c** $95\,256 = \dots\dots\dots + \dots\dots\dots + \dots\dots\dots + \dots\dots\dots + \dots\dots\dots$
- d** 9 thousand + 5 tens + 7 ones + 2 hundreds =
- e** 60 308 (Word form) :

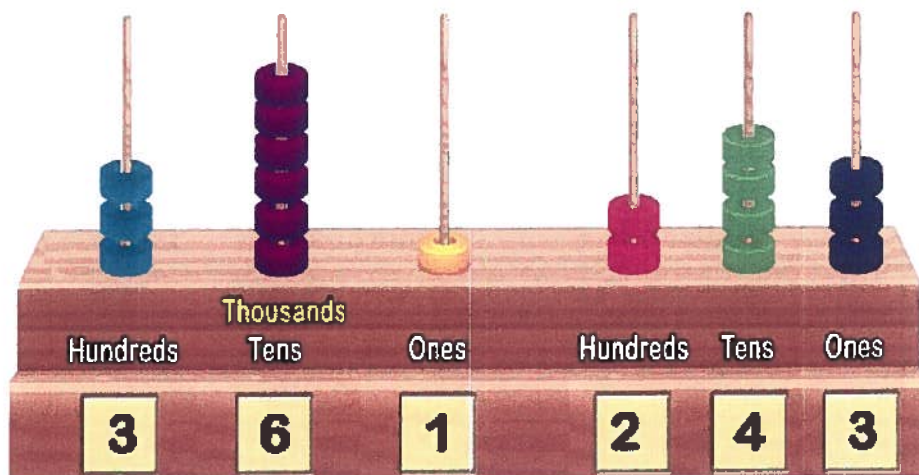
Third Answer the following

Mach

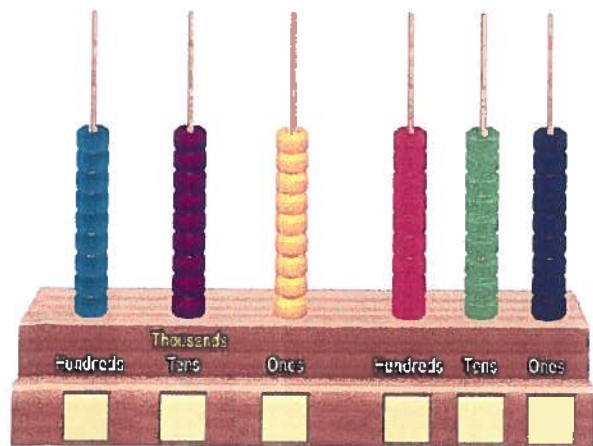
Ninety nine thousand and nine hundred	90 099
Ninety thousand and ninety nine	90 990
Ninety thousand , nine hundred and nine	99 900
Ninety thousand , nine hundred and ninety	90 909

LESSON 3
**6-digit number
(Hundred-thousands)**

Thousands			Hundreds	Tens	Ones
Hundreds	Tens	Ones			
3	6	1	2	4	3


**STANDARD
FORM**
361 243
**WORD
FORM**
**Three hundred sixty one thousand ,
two hundred forty three.**
**SHORT WORD
FORM**
361 thousand , 243.
**EXPANDED
FORM**
300 000 + 60 000 + 1 000 + 200 + 40 + 3.
361 thousand + 2 hundreds + 4 tens + 3 ones.
Remarks
100 thousands = 100 000
100 thousands = 1000 hundreds
100 thousands = 10000 tens
200 000 = 200 thousands = 2000 hundreds = 20000 tens

Write the number shown on the Abacus :



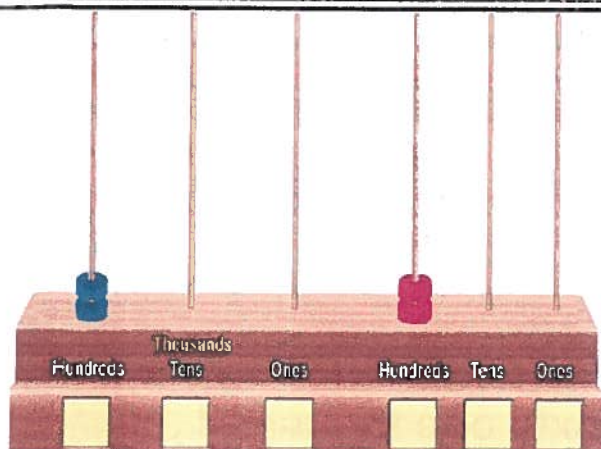
STANDARD FORM

SHORT WORD FORM

WORD FORM

EXPANDED FORM

..... + + + + +
 thousands + hundreds + tens + ones



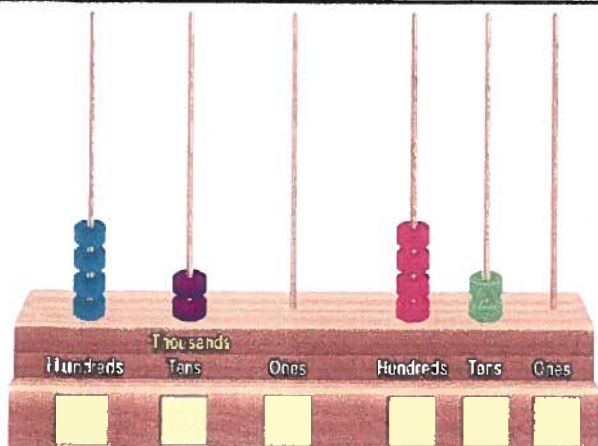
STANDARD FORM

SHORT WORD FORM

WORD FORM

EXPANDED FORM

..... + + + + +
 thousands + hundreds + tens + ones



STANDARD FORM

SHORT WORD FORM

WORD FORM

EXPANDED FORM

..... + + + + +
 thousands + hundreds + tens + ones

Thousands			Hundreds	Tens	Ones
Hundreds	Tens	Ones			
7	5	0	0	7	2

STANDARD
FORM

SHORT WORD
FORM

WORD
FORM

EXPANDED
FORM

..... thousands + hundreds + tens + ones

Thousands			Hundreds	Tens	Ones
Hundreds	Tens	Ones			
7	0	0	8	1	0

STANDARD
FORM

SHORT WORD
FORM

WORD
FORM

EXPANDED
FORM

..... thousands + hundreds + tens + ones

Thousands			Hundreds	Tens	Ones
Hundreds	Tens	Ones			
2	1	5	0	0	3

STANDARD
FORM

SHORT WORD
FORM

WORD
FORM

EXPANDED
FORM

..... thousands + hundreds + tens + ones

Write the following numbers in standard form:

- a) Five hundred six thousand , two hundred forty five :
- b) 367 thousands + 5 hundreds + 2 tens + 3 ones =
- c) 818 thousands , 482 =
- d) $200\ 000 + 40\ 000 + 5\ 000 + 900 + 80 + 7 =$

Write the following numbers in word form:

- a) 100 066 :
- b) 550 thousand + 2 hundreds :
- c) 206 thousand , 20 :
- d) $200\ 000 + 200$:

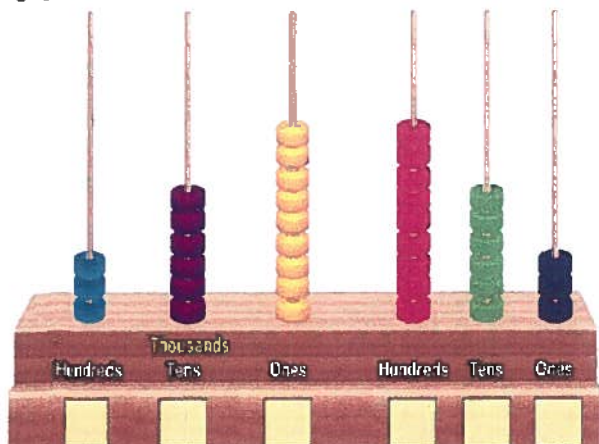
Write the following numbers in short word form:

- a) Nine hundred thousand and fifteen :
- b) 313 thousands + 33 tens :
- c) 975 009 :
- d) $800\ 000 + 10\ 000 + 5000 + 500 + 90 + 1 =$

Write the following numbers in expanded form:

- a) $815\ 125 =$ + + + +
- b) $179\ 375 =$ thousands + hundreds + tens + ones
- c) Seven hundred ninety five thousand , nine hundred sixty four
 $=$ + + + +
- d) 515 thousand , 155
 $=$ + + + +

Write the number shown on the Abacus :



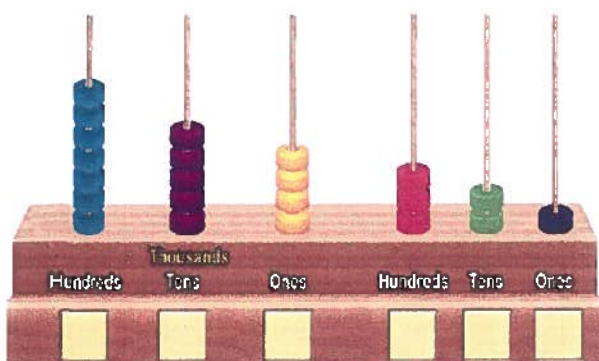
STANDARD FORM

SHORT WORD FORM

WORD FORM

EXPANDED FORM

..... + + + + +
 thousands + hundreds + tens + ones



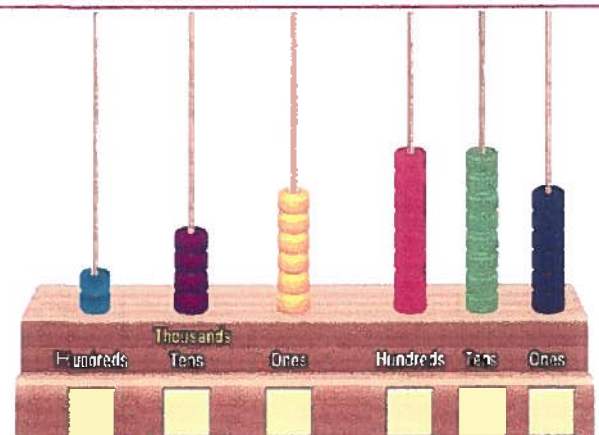
STANDARD FORM

SHORT WORD FORM

WORD FORM

EXPANDED FORM

..... + + + + +
 thousands + hundreds + tens + ones



STANDARD FORM

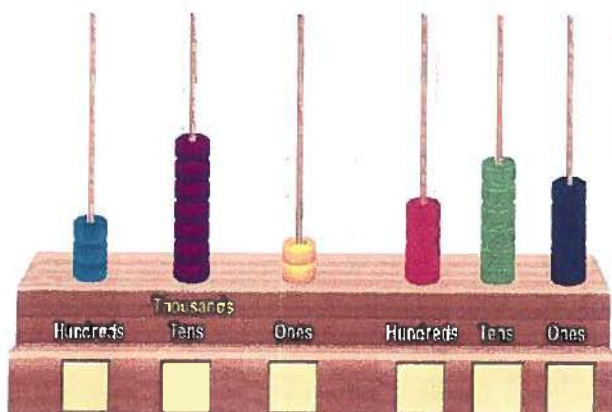
SHORT WORD FORM

WORD FORM

EXPANDED FORM

..... + + + + +
 thousands + hundreds + tens + ones

Write the number shown on the Abacus :



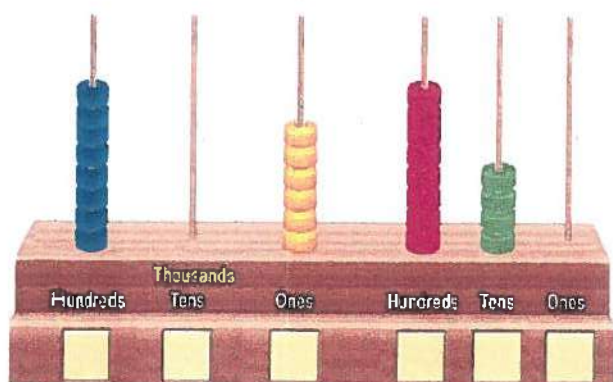
STANDARD FORM

SHORT WORD FORM

WORD FORM

EXPANDED FORM

thousands + hundreds + tens + ones



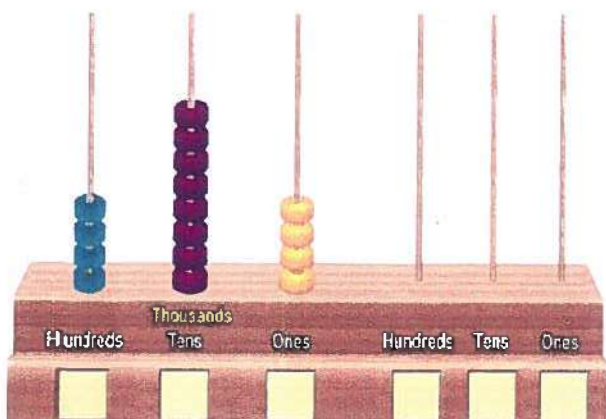
STANDARD FORM

SHORT WORD FORM

WORD FORM

EXPANDED FORM

thousands + hundreds + tens + ones



STANDARD FORM

SHORT WORD FORM

WORD FORM

EXPANDED FORM

thousands + hundreds + tens + ones

Thousands			Hundreds	Tens	Ones
Hundreds	Tens	Ones			
5	7	3	9	0	4

STANDARD FORM

.....

SHORT WORD FORM

.....

WORD FORM

.....

EXPANDED FORM

..... thousands + hundreds + tens + ones

Thousands			Hundreds	Tens	Ones
Hundreds	Tens	Ones			
7	1	6	5	7	3

STANDARD FORM

.....

SHORT WORD FORM

.....

WORD FORM

.....

EXPANDED FORM

..... thousands + hundreds + tens + ones

Thousands			Hundreds	Tens	Ones
Hundreds	Tens	Ones			
2	3	4	7	8	9

STANDARD FORM

.....

SHORT WORD FORM

.....

WORD FORM

.....

EXPANDED FORM

..... thousands + hundreds + tens + ones

Thousands			Hundreds	Tens	Ones
Hundreds	Tens	Ones			
9	9	9	9	9	9

STANDARD FORM

SHORT WORD FORM

WORD FORM

EXPANDED FORM

..... thousands + hundreds + tens + ones

Thousands			Hundreds	Tens	Ones
Hundreds	Tens	Ones			
5	0	3	0	1	8

STANDARD FORM

SHORT WORD FORM

WORD FORM

EXPANDED FORM

..... thousands + hundreds + tens + ones

Thousands			Hundreds	Tens	Ones
Hundreds	Tens	Ones			
6	7	2	0	0	4

STANDARD FORM

SHORT WORD FORM

WORD FORM

EXPANDED FORM

..... thousands + hundreds + tens + ones

Write the following numbers in standard form:

a Nine hundred nine **thousand** , Ninety nine
(.....)

b Five hundred twenty six **thousand** , fifteen
(.....)

c Two hundred thirty **thousand** , three hundred
(.....)

d Five hundred **thousand** , fifty
(.....)

e Five hundred fifty **thousand**
(.....)

f Five hundred **thousand** , five
(.....)

g Five hundred five **thousand**
(.....)

h Five hundred **thousand** , five hundred
(.....)

i Eight hundred sixty seven **thousand** , seven hundred
eight four
(.....)

j Seven hundred thirty **thousand** , thirty seven
(.....)

k Nine hundred ninety nine **thousand** , nine hundred and
ninety nine
(.....)

l Four hundred fourteen **thousand** , four hundred fourteen
(.....)

m Four hundred four **thousand** , four hundred four
(.....)

n Six hundred sixty two **thousand** , one hundred and
seventy three
(.....)

Write the following numbers in word form:

a 785 521
.....
.....

b 502 020
.....
.....

c 540 120
.....
.....

d 560 217
.....
.....

e 500 200
.....
.....

f 303 000
.....

g 300 300
.....

h 300 003
.....

i 300 030
.....

Complete :

- a** $500\ 000 + 20\ 000 + 6\ 000 + 800 + 90 + 2 = \dots\dots\dots$
- b** $9 + 20 + 500 + 2\ 000 + 70\ 000 + 600\ 000 = \dots\dots\dots$
- c** $800\ 000 + 2\ 000 + 200 + 7 = \dots\dots\dots$
- d** $500\ 000 + 80\ 000 + 3 = \dots\dots\dots$
- e** $600\ 000 + 300 + 40 + 2 = \dots\dots\dots$
- f** $50 + 800\ 000 + 6\ 000 = \dots\dots\dots$
- g** $780\ 960 = \dots\dots\dots + \dots\dots\dots + \dots\dots\dots + \dots\dots\dots$
- h** $903\ 103 = \dots\dots\dots + \dots\dots\dots + \dots\dots\dots + \dots\dots\dots$
- i** $500\ 803 = \dots\dots\dots + \dots\dots\dots + \dots\dots\dots$
- j** $902\ 007 = \dots\dots\dots + \dots\dots\dots + \dots\dots\dots$

Complete :

- a** $858\ 231 = \dots\dots \text{thousands} + \dots \text{hundreds} + \dots \text{tens} + \dots \text{ones}$
- b** $820\ 025 = \dots\dots \text{ones} + \dots \text{hundreds} + \dots\dots \text{thousands} + \dots \text{tens}$
- c** $65\ 023 = \dots\dots \text{thousands} + \dots \text{hundreds} + \dots \text{tens} + \dots \text{ones}$
- d** $10\ 203 = \dots \text{tens} + \dots\dots \text{thousands} + \dots \text{hundreds} + \dots \text{ones}$
- e** $125 \text{ thousands} + 2 \text{ hundreds} + 6 \text{ tens} + 7 \text{ ones} = \dots\dots\dots$
- f** $9 \text{ hundreds} + 8 \text{ ones} + 782 \text{ thousands} + 3 \text{ tens} = \dots\dots\dots$
- g** $3 \text{ ones} + 25 \text{ thousands} + 7 \text{ tens} = \dots\dots\dots$
- h** $12 \text{ thousands} + 9 \text{ tens} = \dots\dots\dots$



Sheet 3

First Choose the correct answer

- a** Five hundred sixty thousand , sixty five =
(560 065 or 56 065 or 5656)
- b** 700 thousad, 7 = (700 700 or 700 007 or 700 070)
- c** $3 + 0 + 0 + 0 + 0 + 4 = \dots\dots\dots$ (300 004 or 34 or 7)
- d** 250 thousands = Tens (250 000 or 25 000 or 2 500)
- e** 602 thousands + 5 hundreds + 2 tens =
(60 252 or 602 052 or 602 520)

Second Complete the following

- a** Two hundred sixty one thousand, fifty two =
- b** $70\ 000 + 50 + 500\ 000 + 300 + 5 + 8\ 000 = \dots\dots\dots$
- c** 200 thousand, 20 =
- d** 852 thousand + 7 tens + 5 ones =
- e** $\uparrow, \downarrow, \uparrow, \downarrow, \dots\dots\dots, \dots\dots\dots, \dots\dots\dots$

Third Answer the following

Match :

Six hundred thousand ,
six hundred six

606 600

Six hundred six thousand ,
six hundred

606 006

Six hundred sixty thousand ,
and six

600 606

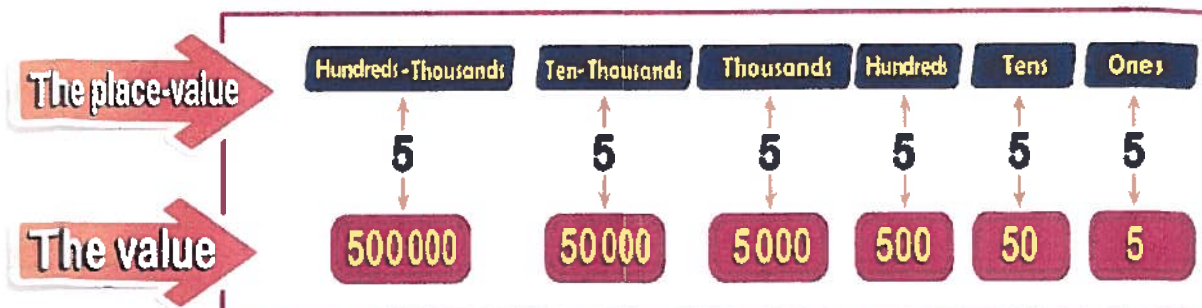
Six hundred six thousand ,
and six

660 006

LESSON

4

The place-value



Example

The digit **5** in the number 35 792 is:
In the place of **thousands** and its value is **5 000**

1 Complete the following table :

	The Number	The value of the encircled digit	The place-value of the encircled digit
a	455 369	.....	.....
b	362 512	.....	.....
c	280 239	.....	.....
d	696 274	.....	.....
e	51 780	.....	.....
f	39 924	.....	.....
g	17 357	.....	.....
h	28 474	.....	.....

2 Write the **value** of the digit 7 in each of the following :

a 788 569 : **d** 399 750 :

b 180 217 : **e** 675 584 :

c 432 476 : **f** 207 000 :

3 Write the **place-value** of the digit 4 in each of the following :

a 532 485 : **d** 947 239 :

b 325 374 : **e** 614 698 :

c 250 241 : **f** 421 100 :

4 Complete each of the following :

a $250\,000 + 25 =$

b $20\,000 + 2 =$

c $6 + 800\,000 + 900 =$

d $28\,000 + 140 =$

e 773 thousand + 5 hundreds + 4 tens =

f 8 ones + 354 thousands + 4 tens =

g $450\,045 = 45 +$

h $200\,020 = 20 +$

i 78 245 = thousands + hundreds + tens + ones

1 Complete the following table :

	The Number	The value of the encircled digit	The place-value of the encircled digit
a	788 125	.....	.....
b	149 896	.....	.....
c	223 468	.....	.....
d	414 987	.....	.....
e	849 875	.....	.....
f	810 558	.....	.....
g	247 028	.....	.....
h	310 234	.....	.....
i	695 580	.....	.....
j	47 682	.....	.....
k	20 006	.....	.....
l	87967	.....	.....
m	66347	.....	.....
n	2978	.....	.....
o	8714	.....	.....
p	4709	.....	.....
q	9999	.....	.....
r	2058	.....	.....

2 Write the **value** of the digit 7 in each of the following :

- | | |
|-----------------------------|-----------------------------|
| 1) 645 69 7 : | 2) 55 12 7 : |
| 3) 868 7 20 : | 4) 24 2 7 9 : |
| 5) 5 7 0 569 : | 6) 3 7 14 : |
| 7) 221 3 7 8 : | 8) 7 028 : |
| 9) 7 50 008 : | 10) 7 1 112 : |
| 11) 98 7 698 : | 12) 25 7 89 : |
| 13) 555 7 02 : | 14) 68 12 7 : |
| 15) 983 98 7 : | 16) 5 7 369 : |
| 17) 0 7 2 : | 18) 12 1 7 6 : |
| 19) 7 298 : | 20) 7 0 002 : |

3 Write the **place-value** of the digit 4 in each of the following :

- | | |
|-----------------------------|-----------------------------|
| 1) 136 12 4 : | 2) 4 258 : |
| 3) 868 4 17 : | 4) 2 0 4 8 : |
| 5) 2 4 8 123 : | 6) 3 00 4 : |
| 7) 798 2 4 7 : | 8) 9 4 17 : |
| 9) 11 4 816 : | 10) 9 12 4 : |
| 11) 4 11 152 : | 12) 4 2 369 : |
| 13) 4 368 : | 14) 1 4 589 : |
| 15) 1 2 4 8 : | 16) 25 4 78 : |
| 17) 4 12 : | 18) 63 12 4 : |
| 19) 3 54 : | 20) 98 2 4 7 : |

4 Complete each of the following :

1) $200\ 000 + 50 = \dots\dots\dots$ 2) $60\ 000 + 6000 = \dots\dots\dots$

3) $500\ 000 + 3 = \dots\dots\dots$ 4) $40\ 000 + 400 = \dots\dots\dots$

5) $600\ 000 + 800 = \dots\dots\dots$ 6) $900\ 000 + 90 = \dots\dots\dots$

7) $150\ 000 + 15 = \dots\dots\dots$ 8) $600\ 000 + 6 = \dots\dots\dots$

9) $300\ 000 + 30 = \dots\dots\dots$ 10) $77\ 000 + 77 = \dots\dots\dots$

11) $58\ 058 = 58 + \dots\dots\dots$ 12) $700\ 070 = 70 + \dots\dots\dots$

13) $122\ 568 = 568 + \dots\dots\dots$

14) $100\ 000 + 20\ 000 + 5\ 000 + 200 + 80 + 9 = \dots\dots\dots$

15) $30\ 000 + 6\ 000 + 800 + 30 + 2 = \dots\dots\dots$

16) $8 + 1\ 000 + 90 + 600\ 000 + 200 = \dots\dots\dots$

17) $90 + 900\ 000 + 9 = \dots\dots\dots$

18) $600 + 3\ 000 + 200\ 000 = \dots\dots\dots$

19) $288\ \text{thousands} + 5\ \text{hundreds} + 3\ \text{tens} + 5\ \text{ones}$
 $= \dots\dots\dots$

20) $6\ \text{hundreds} + 559\ \text{thousands} + 3\ \text{ones} = \dots\dots\dots$

21) $7\ \text{tens} + 482\ \text{thousands} + 3\ \text{ones} = \dots\dots\dots$

22) $59\ \text{thousands} + 2\ \text{tens} = \dots\dots\dots$

23) $336\ 489 = \dots\dots\dots\ \text{thousands} + \dots\dots\dots\ \text{hundreds}$
 $+ \dots\dots\dots\ \text{tens} + \dots\dots\dots\ \text{ones}$

24) $50\ 287 = \dots\dots\dots\ \text{thousands} + \dots\dots\dots\ \text{hundreds}$
 $+ \dots\dots\dots\ \text{tens} + \dots\dots\dots\ \text{ones}$



Sheet 4

First Choose the correct answer

- a** Twenty five thousand , four hundred and six =
(2 546 or 25 460 or 25 406)
- b** $200\ 020 = 20 + \dots\dots\dots$ (200 000 or 200 or 20)
- c** 300 hundreds = ... thousands (3 or 30 or 300)
- d** $360 + 36 = \dots\dots\dots$ (36 036 or 3636 or 396)
- e** The value of the digit 5 in the number 36 589 is
(5 000 or 500 or 50)

Second Complete the following

- a** $200\ 000 + 90\ 000 + 4\ 000 + 200 + 70 + 6 = \dots\dots\dots$
- b** The place-value of the digit 5 in the number 566 102 is
- c** 9 tens + 5 ones + 377 thousands =
- d** 98 thousand , 25 = (Standard form)
- e** 230 090 (Word form) :

Third Answer the following

- a** Write **the value** of the encircled digit in each of the following :
- a) 523 51² : b) 366 ²58 :
- c) 2⁵6 023 : e) ¹00 236 :
- e) 85 5⁹8 : f) 6 ¹28 :
- g) ⁹0 002 : h) 845 3⁶9 :
- b** Write **the place-value** of the encircled digit in each of the following .
- a) ³60 258 : b) 6⁹0 003 :
- c) 127 ⁰28 : e) 118 ²47 :
- e) ⁶5 987 : f) 58³ 571 :
- g) 89 2³0 : h) 28 91⁴ :

LESSON 5

Before and After

Example

The number **56 258** comes right after **56 257**

The number that comes right after **56 258** is **56 259**

Example

The number **336 999** comes right before **337 000**

The number that comes right before **336 999** is **336 998**

1 The number that comes right after :

a 35 783 is **d** 315 099 is

b 68 029 is **e** 820 999 is

c 45 199 is **f** 699 999 is

2 The number that comes right before :

a 370 689 is **d** 13 000 is

b 582 540 is **e** 50 000 is

c 700 000 is **f** 4 500 is

3 Complete the following table

	The number before	The number	The number after
a	56 099	.....
b	100 000	.....
c	8 206	.....

4 Complete in the same pattern

a	25 000	25 010	.....	25 030
	25 040	.....	.....	25 070
	25 080	25 090	.....	.....
	.....	.....	25 140	.....

The
pattern

.....

b	24 050	23 050	22 050	.....
	.....	.....	18 050	.....
	.....	15 050	.....	.....
	.....	.....	10 050	.....

The
pattern

.....

c	543 200	553 200	563 200	.....
	.....	.....	603 200	.....
	.....	633 200	.....	.....
	.....	.....	683 200	.....

The
pattern

.....

5 Complete:

- a** The number that comes right **after** 26 999 is
- b** The number that comes right **before** 300 000 is
- c** The number 6 528 comes right **after**
- d** The number 522 060 comes right **before**
- e** The number comes right **before** 50 080 .
- f** The number comes right **after** 2 125 .



HOMWORK



1 The number that comes right **after** :

- | | |
|---------------------|--------------------|
| 1) 925 366 : | 2) 5 639 : |
| 3) 415 029 : | 4) 4 289 : |
| 5) 510 989 : | 6) 5 099 : |
| 7) 623 299 : | 8) 6 199 : |
| 9) 810 399 : | 10) 89 999 : |
| 11) 315 999 : | 12) 39 999 : |
| 13) 170 999 : | 14) 10 009 : |
| 15) 959 999 : | 16) 99 990 : |
| 17) 139 999 : | 18) 10 099 : |
| 19) 99 999 : | 20) 12 354 : |

2 The number that comes right **before** :

- | | |
|---------------------|--------------------|
| 1) 182 368 : | 2) 1 000 : |
| 3) 252 012 : | 4) 2 100 : |
| 5) 950 321 : | 6) 3 900 : |
| 7) 390 250 : | 8) 5 230 : |
| 9) 765 190 : | 10) 6 780 : |
| 11) 512 200 : | 12) 5 000 : |
| 13) 250 100 : | 14) 20 000 : |
| 15) 650 000 : | 16) 56 111 : |
| 17) 110 000 : | 18) 22 001 : |
| 19) 100 000 : | 20) 31 201 : |

3 Complete the following table

	The number before	The number	The number after
a	325 365	.....
b	312 030	.....
c	145 120	.....
d	636 700	.....
e	50 000	.....
f	699 999	.....
g	500 000	.....
h	85 100	.....
i	80 999	.....
j	60 000	.....
k	59 999	.....
l	10 000	.....
m	1 000	.....
n	9 999	.....
o	999	.....
p	20 107	.....

4 Complete in the same pattern

a	12 900	12 910	12 920	.....
	.....	.....	12 960	12 970
	12 980	.....	.....	13 010
	.....	.....	13 040	.....

The
pattern
.....

b	5 260	5 250	5 240	.....
	.....	5 210	.....	.....
	5 180	.....	.....	5 150
	.....	5 130	5 120	.....

The
pattern
.....

c	67 500	.....	67 700	67 800
	67 900	.....	.....	68 200
	.....	68 400	68 500	.....
	68 700	.....	.....	.....

The
pattern
.....

d	.....	37 900	37 800	.....
	37 600	.....	.....	37 300
	.....	37 100	37 000	.....
	36 800	36 700	.....	.....

The
pattern
.....

e	5 000	6 000	.....	.....
	9 000	.....	.....	12 000
	.....	.....	15 000	.....
	17 000	.....	.....	20 000

The
pattern
.....

f	57 020	56 020	55 020	.....
	53 020	.....	.....	50 020
	.....	48 020	.....	.....
	.....	.....	43 020	.....

The
pattern
.....

g	200 000	211 000	222 000	.....
	.....	.....	.....	277 000
	288 000	.....	310 000	.....
	332 000	.....	.....	365 000

The
pattern
.....

5 Complete :

- 1) The number that comes right **after** 366 258 is
- 2) The number that comes right **after** 70 999 is
- 3) The number that comes right **after** 999 is
- 4) The number that comes right **before** 155 000 is
- 5) The number that comes right **before** 22 100 is
- 6) The number that comes right **before** 2 500 is
- 7) The number 355 025 comes right **after**
- 8) The number 16 000 comes right **after**
- 9) The number 8 023 comes right **after**
- 10) The number 99 999 comes right **before**
- 11) The number 100 099 comes right **before**
- 12) The number 5 236 comes right **before**
- 13) The number comes right **after** 599 999 .
- 14) The number comes right **after** 11 009 .
- 15) The number comes right **after** 7 123 .
- 16) The number comes right **before** 80 200 .
- 17) The number comes right **before** 133 022 .
- 18) The number comes right **before** 1 500 .

First Choose the correct answer

- a The number that comes right after 255 099 is
(266 000 or 255 199 or 255 100)
- b $30 + 0 + 0 + 0 + 4 = \dots\dots\dots$ (300 004 or 34 or 304)
- c 20 thousands = hundreds (2 000 or 200 or 20)
- d 5 ones + 75 thousands = (75 005 or 75 500 or 75 050)
- e The value of the digit 9 in the number 82 914 is
(90 000 or 9 000 or 900)

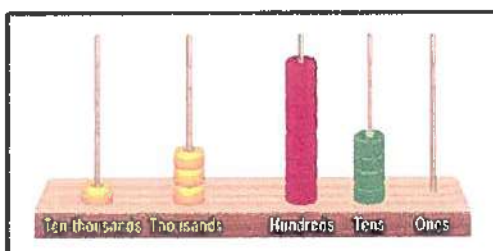
Second Complete the following

- a The number 78 023 comes right before
- b $60 + 50\,000 + 400 + 8 + 9\,000 + 700\,000 = \dots\dots\dots$
- c The place-value of the digit 5 in the number 5 123 is
- d 22 500 , 22 600 , 22 700 , , ,
- e 40 011 (Word form) :

Third Answer the following

- a Match :
- | | |
|------------------------|---------|
| 5 thousands + 5 ones | 50 050 |
| 50 thousands + 5 tens | 500 005 |
| 5 thousands + 5 tens | 5 005 |
| 500 thousands + 5 ones | 5 050 |

- b Write the number shown on the abacus:



Standard form :

Word form :

.....
.....

LESSON 6

Comparing Two Numbers

1 The **largest** number formed from

- a 4 digits is
- b 4 same digits
- c 4 different digits
- d 5 digits is
- e 5 same digits
- f 5 different digits
- g 6 digits is
- h 6 same digits
- i 6 different digits

2 The **smallest** number formed from

- a 4 digits is
- b 4 same digits
- c 4 different digits
- d 5 digits is
- e 5 same digits
- f 5 different digits
- g 6 digits is
- h 6 same digits
- i 6 different digits

3 Complete using $<$, $=$ or $>$:

a 45 658 62 021

b 650 023 650 009

c 100 101 88 017

g 35 thousands + 45 35 450

h 200 thousands + 8 hundreds 208 000

i 50 000 + 400 + 3 50 043

j 60 + 600 Sixty thousand and six hundred

d 78 569 79 003

e 288 119 288 109

f 54 002 54 200

4 Complete the following :

- a** The largest 5-digit number is
- b** The largest number formed from 5 different digits
is
- c** The largest number formed from 5 same digits
is
- d** The smallest 4-digit number is
- e** The smallest number formed from 4 different digits
is
- f** The smallest number formed from 4 same digits
is
- g** The largest number formed from the digits :
(5 , 8 , 3 , 7 and 4) is
- h** The smallest number formed from the digits :
(4 , 1 , 6 and 9) is
- i** The largest 5 - digit - number formed from the digits :
(3 , 8 and 4) is
- j** The smallest 4 - digit - number formed from the digits :
(5 and 8) is


HOMEWORK

1 Complete using $<$, $=$ or $>$:

a 345 123 600 201

b 788 250 788 520

c 441 002 441 020

d 99 999 100 010

e 90 909 99 090

f 5 628 5 268

g 25 268 17 268

h 36 159 36 159

i 39 020 39 200

j 6 302 60 020

k 12 000 10 200

l 77 020 77 202

m $200\ 000 + 20\ 000 + 3\ 000 + 200 + 10 + 7$ 223 217

n $5 + 20 + 300 + 7\ 000 + 60\ 000$ 52 376

p 255 thousands + 2 hundreds + 7 ones 255 207

q 5 tens + 7 thousands + 4 hundreds 7 405

r Twenty thousand and twenty 2 020

s Thirteen thousand, one hundred and three 13 013

t The largest 5-digit number 99 099

u The smallest 6-different-digit number 123 456

v $500\ 000 + 50\ 000 + 500 + 5$ 555 005

w $3600 + 36$ 360 036

2 Complete: The largest :

- a** 4-digit number is
- b** 5-digit number is
- c** 6-digit number is
- d** 4-different-digit number is
- e** 5-different-digit number is
- f** 6-different-digit number is
- g** 4-same-digit number is
- h** 5-same-digit number is
- i** 6-same-digit number is

3 Complete: The smallest :

- a** 4-digit number is
- b** 5-digit number is
- c** 6-digit number is
- d** 4-different-digit number is
- e** 5-different-digit number is
- f** 6-different-digit number is
- g** 4-same-digit number is
- h** 5-same-digit number is
- i** 6-same-digit number is

4 The **largest** number formed from the digits:

- a** (5 , 8 , 6 , 2 , 7 and 3) is
- b** (7 , 4 , 2 , 9 , 1 and 5) is
- c** (9 , 3 , 6 and 4) is
- d** (6 , 9 , 0 , 4 and 1) is
- e** (8 , 2 , 4 , 0 and 7) is
- f** (2 , 7 , 0 and 3) is

5 The **smallest** number formed from the digits:

- a** (6 , 2 , 5 and 9) is
- b** (7 , 8 , 0 and 4) is
- c** (2 , 0 , 6 and 3) is
- d** (7 , 9 , 0 , 6 and 1) is
- e** (9 , 2 , 7 , 8 , 3 and 5) is
- f** (4 , 1 , 0 , 7 , 6 and 9) is

6 The **largest** and the **smallest** 5-digit number formed from the digits:

- a** (3 , 2 , 7 and 9) is,
- b** (3 , 2 and 9) is,
- c** (8 and 3) is,

7 The **largest** and the **smallest** 6-digit number formed from the digits:

- a** (2 , 6 and 3) is,
- b** (9 , 2 , 6 and 1) is,
- c** (3 and 8) is,

**First Choose the correct answer**

- a** The largest number formed from 5 - different digits is
(99 999 or 98 765 or 10 234)
- b** $720\ 072 = 72 + \dots\dots\dots$ (7200 or 72 or 720 000)
- c** The value of the digit 8 in the number 528 635 is
(80 000 or 8 000 or 800)
- d** 45 hundreds = (45 00 or 45 000 or 450)
- e** 15 thousands + 9 ones + 3 hundreds + 8 tens =
(15 389 or 15 938 or 15 3 98)

Second Complete the following

- a** Eighteen thousand and eighteen (Standard form) :
- b** The smallest 6-digit number formed from the digits :
(5 , 2 and 7) is
- c** The smallest 5-different digit number is
- d** The place-value of the digit 6 in the number 54 632 is
- e** $72\ 368 = \dots\dots\dots + \dots\dots\dots + \dots\dots\dots + \dots\dots\dots + \dots\dots\dots$

Third Answer the following

Complete using < , = or > :

- (a) $556\ 321$ $536\ 321$ (b) $811\ 003$ $811\ 003$
- (c) $9\ 602$ $9\ 062$ (d) $7\ 042$ $7\ 402$
- (e) 83 thousand + 3 ones + 6 tens 83 063
- (f) The smallest 5-digit number 9 999
- (g) $5 + 20 + 300 + 7\ 000 + 80\ 000$ 52 378

LESSON

7

Arranging th numbers

The ascending order

From the **smallest** number to the **greatest** number

The descending order

From the **greatest** number to the **smallest** number

Arrange each group of the following numbers in
an **ascending order** and in a **descending order** :

1 233 518 , 885 359 , 569 125 , 100 258 , 445 036

The ascending order :

..... , , , ,

The descending order :

..... , , , ,

2 8 526 , 8 625 , 8 256 , 8 562 , 8 265

The ascending order :

..... , , , ,

The descending order :

..... , , , ,

3 50 050 , 50 500 , 55 000 , 50 555 , 55 055

The ascending order :

..... , , , ,

The descending order :

..... , , , ,



Arrange each group of the following numbers in an ascending order and in a descending order :

1 45 368 , 21 789 , 98 102 , 78 023 , 62 039

The ascending order :

..... , , , ,

The descending order :

..... , , , ,

2 32 023 , 98 123 , 75 023 , 54 987 , 20 368

The ascending order :

..... , , , ,

The descending order :

..... , , , ,

3 500 368 , 500 638 , 500 863 , 500 386 , 500 683

The ascending order :

..... , , , ,

The descending order :

..... , , , ,

4 700 064 , 700 406 , 700 604 , 700 046 , 700 460

The ascending order :

..... , , , ,

The descending order :

..... , , , ,

5 5 023 , 9 120 , 5 320 , 9 012 , 7 002

The ascending order :

..... , , , ,

The descending order :

..... , , , ,

6 166 451 , 166 154 , 166 541 , 166 415 , 166 145

The ascending order :

..... , , , ,

The descending order :

..... , , , ,

7 15 501 , 15 105 , 15 015 , 15 150 , 15 510

The ascending order :

..... , , , ,

The descending order :

..... , , , ,

8 40 050 , 40 005 , 45 000 , 40 500 , 40 550

The ascending order :

..... , , , ,

The descending order :

..... , , , ,

9 8 000 , 1 800 , 18 000 , 1 008 , 10 008

The ascending order :

..... , , , ,

The descending order :

..... , , , ,

First Choose the correct answer

- a 5 ones + 3 hundreds + 74 thousands + 8 tens =
(53 748 or 74 385 or 74 358)
- b Seventy five thousand and seventy five.
(7 575 or 75 750 or 75 075)
- c $500 + 0 + 0 + 3 = \dots\dots\dots$ (50 003 or 503 or 53)
- d 1000 hundreds = (100 000 or 1000 or 10)
- e Eighty five thousand and eight =
(85 080 or 8 508 or 85 008)

Second Complete the following

- a The place-value of the digit 7 in the number 662 078 is
- b The number comes right after 500 999.
- c 25 012 , 25 022 , 25 032 , , ,
- d The largest 5 - same - digit number is
- e 2 000 more than 21 900 is

Third Answer the following

- a Arrange the following numbers in an ascending order .

45 603 , 45 036 , 45 306 , 45 630 , 45 063

..... , , , ,

- b Arrange the following numbers in a descending order .

50 500 , 5 050 , 50 005 , 5 500 , 50 050

..... , , , ,

- c Write the smallest and the largest number formed from

(4 , 5 , 3 , 0 , 7 , 6)

The smallest number = The largest number =

d Complete using $<$, $=$ or $>$:

5 023 62 009

78 569 79 003

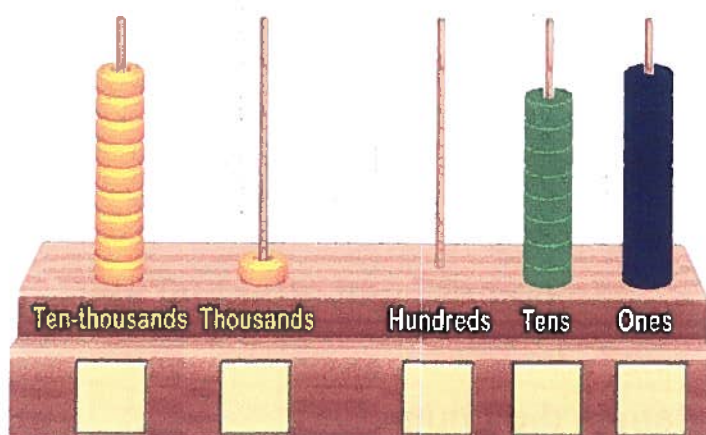
10 101 8 017

54 002 54 20

20 thousands + 8 hundreds 28 000

60 + 600 Sixty thousand and sixty

e Write the number shown on the Abacus :



**STANDARD
FORM**

.....

**SHORT WORD
FORM**

.....
.....

**WORD
FORM**

.....
.....

**EXPANDED
FORM**

.....

..... thousands + hundreds + tens + ones

e Complete in the same pattern

57 020	56 020	55 020	.....
53 020	.....	.....	50 020
.....	48 020	.....	.....
.....	.....	43 020	.....

**The
pattern**

LESSON 8
Addition

FIRST: Addition using the place-value strategy :

Example

To add : 3 567 + 1 521

$$\begin{array}{rcll}
 3\,567 & = & 3\,000 & + 500 + 60 + 7 \\
 1\,521 & = & 1\,000 & + 500 + 20 + 1 \\
 \hline
 & & 4\,000 & + 1000 + 80 + 8 = 5\,088
 \end{array}$$

Sum

Solve the addition problems below using :

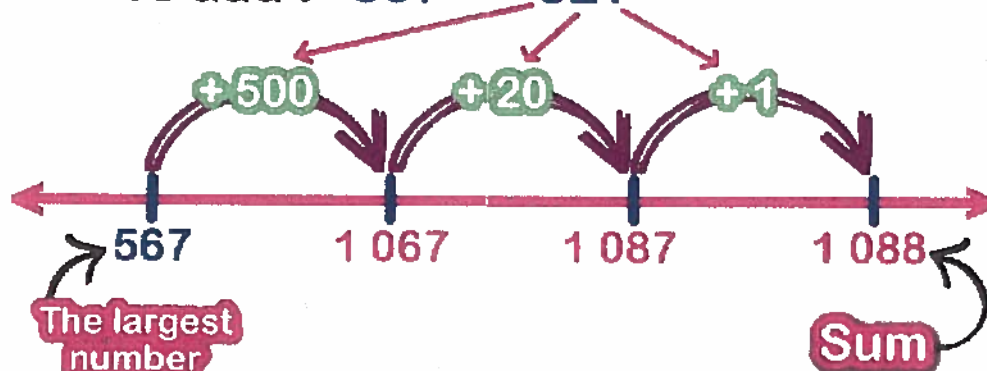
(The place-value strategy)

Problem	Work Space	Sum
567 + 321	<div>..... + +</div> <div>..... + +</div> <hr/> <div>..... + +</div>
6 237 + 1 582	<div>..... + + +</div> <div>..... + + +</div> <hr/> <div>..... + + +</div>
2 514 + 279	<div>..... + + +</div> <div>..... + +</div> <hr/> <div>..... + + +</div>

Second: Addition using the Number Line strategy :

Example

To add : $567 + 521$



Solve the addition problems below using :
(The number line strategy)

Problem	Work Space	Sum
$567 + 321$	
$6\,237 + 1\,582$	
$2\,514 + 279$	
$2\,481 + 503$	






1 Solve the addition problems below using :
(**The place-value strategy**)

	Problem	Work Space	Sum
a	$253 + 124$	<div>..... + ..... + .....</div> <div>..... + ..... + .....</div> <hr/> <div>..... + ..... + .....</div>	.....
b	$376 + 342$	<div>..... + ..... + .....</div> <div>..... + ..... + .....</div> <hr/> <div>..... + ..... + .....</div>	.....
c	$128 + 439$	<div>..... + ..... + .....</div> <div>..... + ..... + .....</div> <hr/> <div>..... + ..... + .....</div>	.....
d	$428 + 297$	<div>..... + ..... + .....</div> <div>..... + ..... + .....</div> <hr/> <div>..... + ..... + .....</div>	.....
e	$108 + 692$	<div>..... + ..... + .....</div> <div>..... + ..... + .....</div> <hr/> <div>..... + ..... + .....</div>	.....

	Problem	Work Space	Sum
f	5 125 + 3 753	<div>.....+.....+.....+.....</div> <div>.....+.....+.....+.....</div> <hr/> <div>.....+.....+.....+.....</div>	.....
g	6 287 + 1 521	<div>.....+.....+.....+.....</div> <div>.....+.....+.....+.....</div> <hr/> <div>.....+.....+.....+.....</div>	.....
h	2 458 + 3 451	<div>.....+.....+.....+.....</div> <div>.....+.....+.....+.....</div> <hr/> <div>.....+.....+.....+.....</div>	.....
i	6 666 + 2 314	<div>.....+.....+.....+.....</div> <div>.....+.....+.....+.....</div> <hr/> <div>.....+.....+.....+.....</div>	.....
j	7 357 + 242	<div>.....+.....+.....+.....</div> <div>.....+.....+.....</div> <hr/> <div>.....+.....+.....+.....</div>	.....
k	6 824 + 257	<div>.....+.....+.....+.....</div> <div>.....+.....+.....</div> <hr/> <div>.....+.....+.....+.....</div>	.....

2 Solve the addition problems below using :
(The number line strategy)

	Problem	Work Space	Sum
a	$356 + 243$		.....
b	$147 + 237$		.....
c	$124 + 773$		.....
d	$257 + 212$		.....
e	$624 + 421$		.....

	Problem	Work Space	Sum
f	$3\ 125 + 4\ 234$		.....
g	$3\ 561 + 2\ 533$		.....
h	$4\ 258 + 3\ 124$		.....
i	$8\ 124 + 325$		.....
j	$3\ 587 + 413$		.....

3 Find the sum of each of the following :

a

$$\begin{array}{r} 1\ 2\ 3 \\ + 2\ 4\ 5 \\ \hline \end{array}$$

b

$$\begin{array}{r} 3\ 2\ 5 \\ + \quad \quad 6 \\ \hline \end{array}$$

c

$$\begin{array}{r} 4\ 7\ 7\ 8 \\ + 1\ 8\ 8\ 9 \\ \hline \end{array}$$

d

$$\begin{array}{r} 1\ 2\ 6 \\ + \quad 9\ 6 \\ \hline \end{array}$$

e

$$\begin{array}{r} 3\ 7\ 8 \\ + 2\ 8\ 1 \\ \hline \end{array}$$

f

$$\begin{array}{r} \quad 9\ 9\ 9 \\ + \quad \quad \quad 1 \\ \hline \end{array}$$

g

$$\begin{array}{r} 6\ 7\ 6 \\ + 1\ 5\ 6 \\ + \quad 3\ 7 \\ \hline \end{array}$$

h

$$\begin{array}{r} 7\ 2\ 2 \\ + \quad 2\ 7\ 8 \\ + \quad 1\ 9\ 9 \\ \hline \end{array}$$

i

$$\begin{array}{r} 7\ 9\ 5 \\ + 6\ 1\ 7\ 2 \\ + 1\ 9\ 8\ 8 \\ \hline \end{array}$$

j $2\ 6\ 5 + 7\ 3 =$

k $2\ 2\ 2 + 3\ 9\ 9 =$

l $4\ 9\ 9 + 1 =$

m $3\ 3\ 6\ 9 + 4\ 5\ 5 =$

n $4\ 6\ 6\ 6 + 2\ 2\ 5\ 4 =$




o $2\ 4\ 5\ 6 + 2\ 4\ 8\ 7 =$



First Choose the correct answer

- a** The largest 6-different-digit number is
(999 999 or 987 654 or 123 456)
- b** 850 thousand , 58 = (85 058 or 8 585 or 850 058)
- c** 50 000 comes right after (50 001 or 40 000 or 49 999)
- d** $250\,025 = 25 + \dots\dots\dots$ (250 000 or 250 or 2 500)
- e** The value of the digit 8 in the number 287 156 is
(80 000 or 8 000 or 80)

Second Complete the following

- a** The smallest number formed from the digits (5 , 8 , 3 , 0 , 7 , 4)
is
- b** 3 ones + 581 thousands + 8 tens = .
- c** The place-value of the digit 0 in the number 71 028 is
- d** The number that comes right after 99 999 is
- e**  ,  ,  , ,

Third Answer the following

- a** Find the result :
- ① $4\,568 + 512 = \dots\dots\dots$ ② $8\,002 + 1\,527 = \dots\dots\dots$
- ③ $800\,000 + 210 + 30\,000 = \dots\dots\dots$
- b** Order the following numbers in an ascending order .
500 , 500 000 , 50 , 50 000 , 5 000
..... , , , ,

- c** Add using the number line strategy :

($256 + 724 = \dots\dots\dots$) 


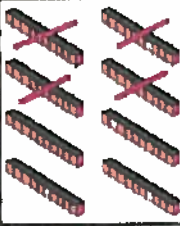

LESSON 9

Subtraction

FIRST: Subtraction using the place-value strategy :

Example

Subtract : $789 - 247$

Hundreds	Tens	Ones
		
5	4	2

Check

$$542 + 247$$

$$500 + 200 = 700$$




$$40 + 40 = 80$$

$$2 + 7 = 9$$

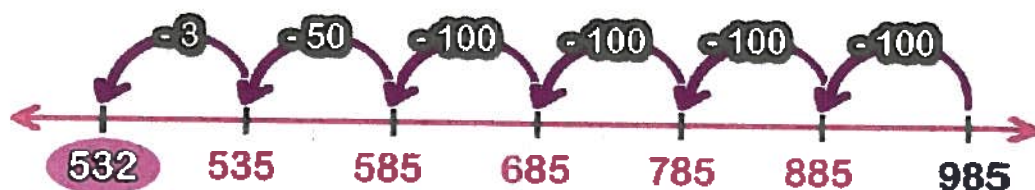
$$700 + 80 + 9 = 789$$

Solve the addition problems below using :

(The place-value strategy)




Subtraction Problems	Check
$854 - 523 = \dots\dots\dots$   	$\dots\dots\dots + \dots\dots\dots = \dots\dots\dots$
$780 - 450 = \dots\dots\dots$	$\dots\dots\dots + \dots\dots\dots = \dots\dots\dots$
$2\,550 - 1\,225 = \dots\dots\dots$	$\dots\dots\dots + \dots\dots\dots = \dots\dots\dots$

Second: Subtraction using the number line strategy :
Example

 Subtract : $985 - 453$

Check

$$532 + 453 = 985$$

Solve the addition problems below using :
(The number line strategy)

Subtraction Problems	Check
$853 - 532 =$ 	
$7\,625 - 1\,213 =$ 	
$5\,328 - 416 =$ 	













1 Solve the addition problems below using :
(The place-value strategy)

Subtraction Problems	Check
a $756 - 125 = \dots\dots$ <div style="display: flex; justify-content: space-around; align-items: center;"> <div style="text-align: center;"> <div style="border: 1px solid black; width: 20px; height: 20px; margin-bottom: 5px;"></div> <div style="border: 1px solid black; width: 20px; height: 20px; margin-bottom: 5px;"></div> <div style="border: 1px solid black; width: 20px; height: 20px;"></div> </div> <div style="text-align: center;"> <div style="border: 1px solid black; width: 20px; height: 20px; margin-bottom: 5px;"></div> <div style="border: 1px solid black; width: 20px; height: 20px; margin-bottom: 5px;"></div> <div style="border: 1px solid black; width: 20px; height: 20px;"></div> </div> <div style="text-align: center;"> <div style="border: 1px solid black; width: 20px; height: 20px; margin-bottom: 5px;"></div> <div style="border: 1px solid black; width: 20px; height: 20px; margin-bottom: 5px;"></div> <div style="border: 1px solid black; width: 20px; height: 20px;"></div> </div> </div>	<div style="text-align: center;"> <div style="border: 1px solid black; width: 100px; height: 20px; margin-bottom: 5px;"></div> <div style="border: 1px solid black; width: 100px; height: 20px; margin-bottom: 5px;"></div> <div style="border: 1px solid black; width: 100px; height: 20px;"></div> </div>
b $783 - 543 = \dots\dots$	<div style="text-align: center;"> <div style="border: 1px solid black; width: 100px; height: 20px; margin-bottom: 5px;"></div> <div style="border: 1px solid black; width: 100px; height: 20px; margin-bottom: 5px;"></div> <div style="border: 1px solid black; width: 100px; height: 20px;"></div> </div>
c $527 - 514 = \dots\dots$	<div style="text-align: center;"> <div style="border: 1px solid black; width: 100px; height: 20px; margin-bottom: 5px;"></div> <div style="border: 1px solid black; width: 100px; height: 20px; margin-bottom: 5px;"></div> <div style="border: 1px solid black; width: 100px; height: 20px;"></div> </div>
d $7\,458 - 536 = \dots\dots$	<div style="text-align: center;"> <div style="border: 1px solid black; width: 100px; height: 20px; margin-bottom: 5px;"></div> <div style="border: 1px solid black; width: 100px; height: 20px; margin-bottom: 5px;"></div> <div style="border: 1px solid black; width: 100px; height: 20px;"></div> </div>
e $4\,892 - 951 = \dots\dots$	<div style="text-align: center;"> <div style="border: 1px solid black; width: 100px; height: 20px; margin-bottom: 5px;"></div> <div style="border: 1px solid black; width: 100px; height: 20px; margin-bottom: 5px;"></div> <div style="border: 1px solid black; width: 100px; height: 20px;"></div> </div>

Subtraction Problems	Check
f $7\,852 - 3\,521 = \dots\dots$	$\dots\dots + \dots\dots = \dots\dots$
g $5\,321 - 5\,210 = \dots\dots$	$\dots\dots + \dots\dots = \dots\dots$
h $3\,158 - 2\,065 = \dots\dots$	$\dots\dots + \dots\dots = \dots\dots$
i $4\,321 - 301 = \dots\dots$	$\dots\dots + \dots\dots = \dots\dots$
j $3\,500 - 240 = \dots\dots$	$\dots\dots + \dots\dots = \dots\dots$
k $9\,105 - 550 = \dots\dots$	$\dots\dots + \dots\dots = \dots\dots$

2 Solve the addition problems below using :
(The number line strategy)

Subtraction Problems	Check
a $753 - 241 =$ 	
b $856 - 215 =$ 	
c $777 - 253 =$ 	
d $654 - 129 =$ 	
e $654 - 294 =$ 	

Subtraction Problems	Check
f $7\,852 - 324 =$ 	
g $9\,529 - 283 =$ 	
h $8\,547 - 3\,421 =$ 	
i $6\,542 - 2\,217 =$ 	
j $7\,000 - 1\,423 =$ 	

3 Subtract :

a
$$\begin{array}{r} 753 \\ - 245 \\ \hline \end{array}$$

b
$$\begin{array}{r} 456 \\ - 321 \\ \hline \end{array}$$

c
$$\begin{array}{r} 4978 \\ - 1889 \\ \hline \end{array}$$

d
$$\begin{array}{r} 218 \\ - \quad 5 \\ \hline \end{array}$$

e
$$\begin{array}{r} 778 \\ - 281 \\ \hline \end{array}$$

f
$$\begin{array}{r} 4997 \\ - \quad 448 \\ \hline \end{array}$$

g
$$\begin{array}{r} 705 \\ - \quad 78 \\ \hline \end{array}$$

h
$$\begin{array}{r} 1000 \\ - \quad \quad 1 \\ \hline \end{array}$$

i
$$\begin{array}{r} 2708 \\ - 1378 \\ \hline \end{array}$$

j $265 - 73 =$

k $622 - 399 =$

l $491 - 9 =$

m $3369 - 455 =$

n $4656 - 2264 =$

o $3086 - 2457 =$



Sheet 9

First Choose the correct answer

- a** Nine hundred thousand, ninety nine =
(999 000 or 900 990 or 900 099)
- b** The value of the digit 5 in the number 259 024 is
(50 000 or 500 000 or 5 000)
- c** $800 + 200\,000 + 60 + 30\,000 + 7 + 9\,000 = \dots\dots\dots$
(826 379 or 239 867 or 237 896)
- d** The number that comes right after 80 999 is
(81 000 or 90 999 or 80 100)
- e** The smallest 5-diferent-digit number is
(12345 or 98 765 or 10 234)

Second Complete the following

- a** 78 thousands + 8 hundreds + 5 ones + 7 tens =
- b** The largest 6-digit - number is
- c** $800\,254 = 254 + \dots\dots\dots$
- d** The place value of the digit 8 in the number 53 087 is
- e** $\triangle \square$, $\triangle \square$, ,

Third Answer the following

Use the number line strategy to find :

- a** $459 + 262 = \dots\dots\dots$



- b** $4\,562 - 2\,225 = \dots\dots\dots$



LESSON 10

Word problems on
addition and subtraction

- 1** The following table shows borrowing books from the library during the month of September.

Grade	P1	P2	P3	P4	P5
Books Borrowed	435	317	278	107	239

Answer the following questions :

- a** How many books did students borrow from P1 and P2 grades together?
-
-
- b** How many books did students borrow from P3 , P4 and P5 grades together?
-
-
- c** How many more books have students borrowed from P5 grade than P4 grade?
-
-
- d** Which class borrowed the largest number of books?
-
-

- 2** Amirs' family is saving to buy a new TV. The TV costs 4 590 LE on sale. They have saved 2 410 LE so far.
How much more money do they need to buy the TV?
-
-

- 3** Omar just moved to the city. He found an apartment to rent for 3,340 LE per month. Electricity and gas will cost him 692 LE per month.
How much money will it cost him each month to live?
-
-

If Omar had 5,000 LE to spend each month,
how much money does he have left after he pays for rent,
electricity and gas?

.....

.....

- 4** Mr. Mahmoud raises chickens. In the past two years, his chickens have laid 5,350 eggs. Last year his chickens laid 2,120 eggs.
How many eggs did his chickens lay two years ago?
-
-



HOMWORK



- 1** The table below shows the number of students in each grade in a school . Use this information to answer the questions below.

Grade	P1	P2	P3	P4	P5
Number of students	354	371	478	203	139

Answer the following questions :

- a** How many students are P1 and P4 all together?
.....
.....
- b** How many students are in P3 and P4 all together?
.....
.....
- c** How many more students in the P3 grade than in the P2 grade?
.....
.....
- d** What is the class with the largest number of students?
.....
.....
- e** Which class has the fewest students?
.....
.....

- 2** The following table shows the length of some of the worlds' longest rivers.
Use the information to answer the questions below.

River	Approximate length in Km
Nile	About 6 650 km
Amazon	About 6 400 km
Mississippi	About 3 775 km
Euphrates	About 2 800 km

- a** What is the longest river?
.....
- b** What is the shortest river?
.....
- c** What is the total length of the Mississippi River and the Amazon river together?
.....
.....
- d** What is the total length of the Euphrates River and the Nile river together?
.....
.....
- e** How many more kilometers is the Nile than the Euphrates?
.....
.....

3 Read each story problem and decide on a strategy to solve it.

a Amir's family is saving to buy a new TV. The TV costs 5 940 LE on sale. They have saved 4 210 LE so far.
How much more money do they need to buy the TV?

.....

.....

b Mr. Mahmoud raises chickens. In the past two years, his chickens have laid 5,350 eggs. Last year his chickens laid 2,120 eggs.
How many eggs did his chickens lay two years ago?

.....

.....

c Mr. Mahmoud also raises sheep. One day he took 235 sheep out to graze on a hill.
Later, his neighbor brought his sheep to the hillside to graze. Now there are 680 sheep on the hill.
How many sheep did the neighbor bring to the hillside?

.....

.....

d The library can hold 2,475 books, but 525 books are out on loan and 137 books are missing.
How many books are there in the library right now?

.....

.....

- e** Omar just moved to the city. He found an apartment to rent for 3,340 LE per month. Electricity and gas will cost him 692 LE per month.

How much money will it cost him each month to live?

.....

.....

If Omar had 5,000 LE to spend each month, how much money does he have left after he pays for rent, electricity and gas?

.....

.....

- f** Three boxes filled with books were just delivered to the library. If each box is filled with 215 books, how many books were delivered?

.....

.....

- g** A number has 5 Thousands, 7 Hundreds, 6 Tens, and 4 Ones. What number is it?

.....

- h** A number has 12 Hundreds, 15 Tens, and 6 ones. What number is it?

.....

4 Complete the following :

- 1) Twenty five thousand, six hundred and eleven =
(Standard form)
- 2) 700 618 (Word form) :
- 3) $700\ 000 + 70\ 000 + 5\ 000 + 800 + 50 + 3 = \dots$
- 4) 98 thousand + 6 ones + 5 tens + 7 hundreds =
- 5) $70 + 0 + 0 + 4 = \dots$
- 6) $7\ 856 = \dots + \dots + \dots + \dots$
- 7) $552\ 159 = \dots$ tens + \dots thousands + \dots ones + \dots hundreds
- 8) The number that comes right after 36 299 is
- 9) The number 700 250 comes right after
- 10) The number comes right after 899 999.
- 11) The number that comes right before 75 000 is
- 12) The number 3 156 comes right before
- 13) The number comes right before 15 200.
- 14) The place value of the digit 5 in the number 224 569
is
- 15) The place value of the digit 7 in the number 789 895
is
- 16) The value of the digit 7 in the number 79 159 is
- 17) The value of the digit 2 in the number 8 128 is
- 18) The largest 5-digit number is
- 19) The smallest 6-digit number is
- 20) The largest and the smallest number formed from the
digits (7 , 2 , 0 , 6 and 3) are and

5 Choose the correct answer :

- 1) Seventy thousand and seventy =
(70 070 or 70 017 or 77 000)
- 2) $5 + 20 + 400 + 7\,000 = \dots\dots\dots$ (5 247 or 70 425 or 7 425)
- 3) 70 100 comes right after (79 999 or 70 099 or 70 101)
- 4)comes right before 2 000 (1 999 or 2 001 or 1 099)
- 5) 20 thousand + 75 tens = (2 075 or 20 075 or 20 750)
- 6) 600 hundreds = (60 000 or 6 000 or 600 000)
- 7) 8 000 tens =hundreds (800 or 8 000 or 80 000)
- 8) 30 000 =hundreds (30 or 300 or 3 000)
- 9) The largest 5 - different - digit number is
(98 765 or 99 999 or 10 234)
- 10) The smallest 6 - different - digit number is
(100 000 or 123 456 or 10 2345)
- 11) The largest 5 - same - digit number is
(99 999 or 98 756 or 9 999)
- 12) The smallest 4 - same - digit number is
(1 000 or 11 111 or 1 111)
- 13) The value of the digit 3 in the numbr 5 389 is
(3 000 or 300 or 30)
- 14) The value of the digit 8 in the number 877 624 is
(800 000 or 8 000 or 800)
- 15) The place-value of the digit 9 in the number 9 247 is
(Hundreds or Thousands or Ten-thousands)
- 16) The place-value of the digit 2 in the number 523 560 is
(Hundreds or Thousands or Ten-thousands)

6 Use the following digits to find : (3 , 5 , 0 , 4 , 7)

The largest number :

The smallest number :

7 Use the following digits to find : (8 , 5 , 4)

The largest 6-digit number :

The smallest 6-digit number :

8 Complete using < , = or > :

255 458 667 102 45 000 + 45 45 450

15 5 258 155 528 20 hundreds 2 000

50 502 50 205 3 + 500 + 2000 3 520

45 thousands + 5 hundreds + 31 tens 45 810

The smallest 5-different-digit number 12 345

Ninety thousand and nine 900 009

9 Match:

30 thousands + 24 hundreds

3 000 + 200 + 40

30 000 + 24

Three thousand and twenty four

320 thousand , 40

3 240

3 024

32 400

320 040



30 024



First Choose the correct answer

- a** The smallest 6-different -digit number is =
(100 000 or 123456 or 102345)
- b** Three hundred three thousand , three hundred and three
=
(303 303 or 300 033 or 330 303)
- c** the value of the digit 0 in the number 350 567 is
(10 000 or 1000 or 0)
- d** the number that comes right after 209 999 is
(300 000 or 209 998 or 210 000)
- e** 25 thousands + 6 ones + 7 hundreds + 9 tens =
(25 679 or 25 796 or 25 769)

Second Complete the following

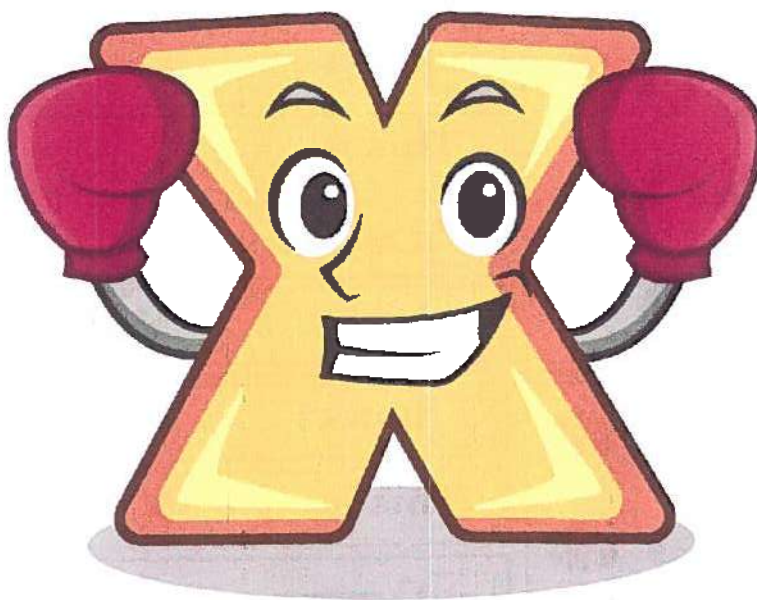
- a** The greatest 6-digit number formed from the digits
(3 , 5 and 7) is =
- b** 250 250 = 250 +
- c** The place value of 0 in the number 405 612 is
- d** 8 tens + 502 thousands + 7 ones + 2 hundreds =
- e**  ,  , ,

Third Answer the following

- a** Find the result :
(1) $456 + 643 =$ (2) $4\,020 - 129 =$
- b** Arrange the following numbers in an ascending order .
10 000 , 999 , 50 000 , 200 , 6 000
..... , , , ,
- c** Mona has LE 545 and Nada has LE 235 .
How much money do they have altogether ?
The have = + = LE

CHAPTER

THREE



MULTIPLICATION

LESSON 1

The Arrays

Example

Row →

Column →

Row →

Column →

Times

2 Rows → $5 + 5 = 10$

5 Columns → $2 + 2 + 2 + 2 + 2 = 10$

This is 5 \times 2 array

This is 2 \times 5 array

1 Complete the following arrays

a



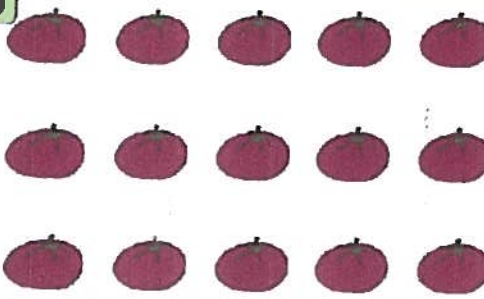
... Rows : =

This is \times array

... Columns : =

This is \times array

b



... Rows : =

This is \times array

... Columns : =

This is \times array

c



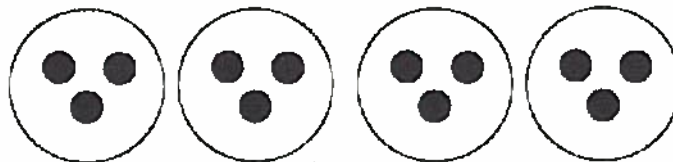
... Rows : =

This is \times array

... Columns : =

This is \times array

Example

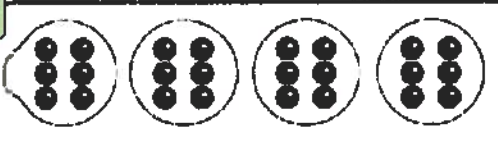


Repeated addition : $3 + 3 + 3 + 3 = 12$

Multiplication : $3 \times 4 = 12$

2 Complete as in the example :

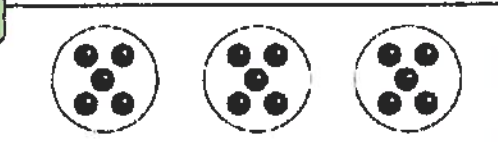
a



Repeated addition : $\dots + \dots + \dots + \dots = \dots$

Multiplication : $\dots \times \dots = \dots$

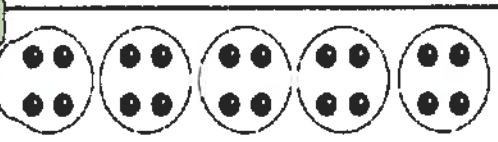
b



Repeated addition : $\dots + \dots + \dots = \dots$

Multiplication : $\dots \times \dots = \dots$

c



Repeated addition : $\dots + \dots + \dots + \dots + \dots = \dots$

Multiplication : $\dots \times \dots = \dots$

3 Complete as in the example :

EX $5 + 5 + 5 + 5 + 5 + 5 = 30$ so, $5 \times 6 = 30$ and $6 \times 5 = 30$

a $3 + 3 + 3 + 3 + 3 + 3 = \dots$ so, $\dots \times \dots = \dots$ and $\dots \times \dots = \dots$

b $4 + 4 + 4 + 4 + 4 = \dots$ so, $\dots \times \dots = \dots$ and $\dots \times \dots = \dots$

c $6 + 6 + 6 = \dots$ so, $\dots \times \dots = \dots$ and $\dots \times \dots = \dots$

d $2 + 2 + 2 + 2 = \dots$ so, $\dots \times \dots = \dots$ and $\dots \times \dots = \dots$

e $7 \times 4 = \dots + \dots + \dots + \dots + \dots + \dots + \dots$

f $7 \times 4 = \dots + \dots + \dots + \dots$

g $5 \times 8 = \dots + \dots + \dots + \dots + \dots$

h $3 \times 6 = \dots + \dots + \dots + \dots + \dots + \dots$

1 Complete the following arrays

a



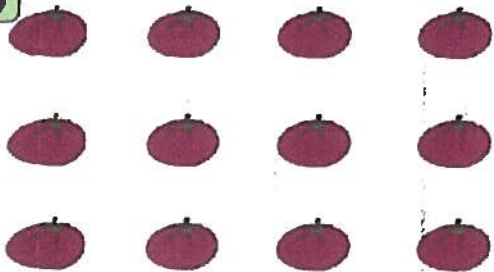
Rows : =

This is **X** array

Columns : =

This is **X** array

b



Rows : =

This is **X** array

Columns : =

This is **X** array

c



Rows : =

This is **X** array

Columns : =

This is **X** array

d



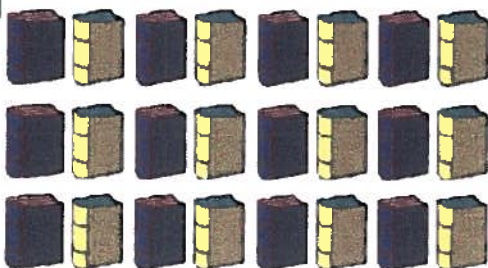
Rows : =

This is **X** array

Columns : =

This is **X** array

e



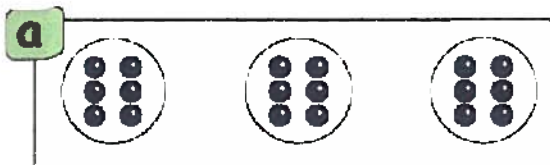
Rows : =

This is **X** array

Columns : =

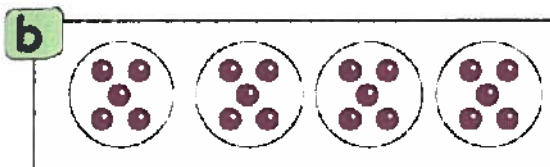
This is **X** array

2 Complete :



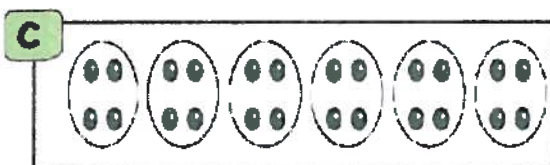
Repeated addition : + + =

Multiplication : X =



Repeated addition : + + + =

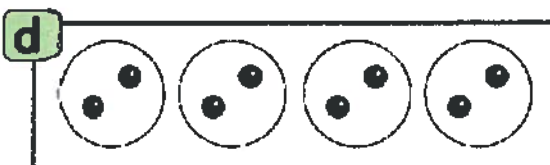
Multiplication : X =



Repeated addition :

..... =

Multiplication : X =



Repeated addition :

..... =

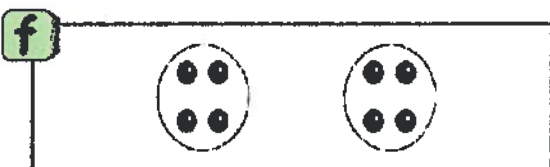
Multiplication : X =



Repeated addition :

..... =

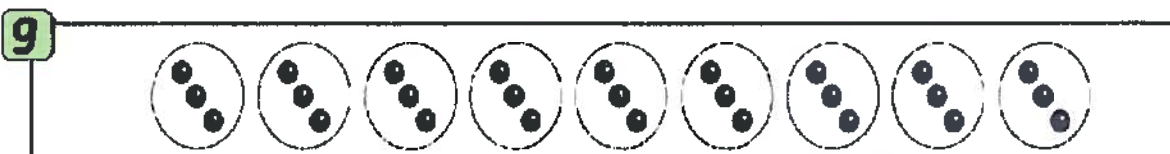
Multiplication : X =



Repeated addition :

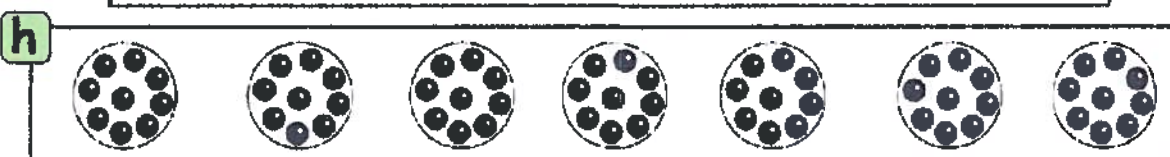
..... =

Multiplication : X =



Repeated addition : =

Multiplication : X =



Repeated addition : =

Multiplication : X =

3 Complete :

a $5 + 5 + 5 + 5 = \dots\dots$ so, $\dots X \dots = \dots\dots$ and $\dots X \dots = \dots\dots$

b $4 + 4 + 4 + 4 + 4 = \dots\dots$ so, $\dots X \dots = \dots\dots$ and $\dots X \dots = \dots\dots$

c $6 + 6 = \dots\dots$ so, $\dots X \dots = \dots\dots$ and $\dots X \dots = \dots\dots$

d $2 + 2 + 2 + 2 + 2 + 2 = \dots\dots$
so, $\dots X \dots = \dots\dots$ and $\dots X \dots = \dots\dots$

e $3 + 3 + 3 + 3 + 3 = \dots\dots$ so, $\dots X \dots = \dots\dots$ and $\dots X \dots = \dots\dots$

f $5 + 5 + 5 = \dots\dots$ so, $\dots X \dots = \dots\dots$ and $\dots X \dots = \dots\dots$

g $1 + 1 + 1 + 1 + 1 = \dots\dots$ so, $\dots X \dots = \dots\dots$ and $\dots X \dots = \dots\dots$

h $7 + 7 = \dots\dots$ so, $\dots X \dots = \dots\dots$ and $\dots X \dots = \dots\dots$

i $8 + 8 + 8 = \dots\dots$ so, $\dots X \dots = \dots\dots$ and $\dots X \dots = \dots\dots$

j $3 + 3 + 3 + 3 + 3 + 3 + 3 + 3 = \dots\dots$
so, $\dots X \dots = \dots\dots$ and $\dots X \dots = \dots\dots$

k $5 \times 4 = \dots\dots + \dots\dots + \dots\dots + \dots\dots + \dots\dots$

l $6 \times 2 = \dots\dots + \dots\dots + \dots\dots + \dots\dots + \dots\dots + \dots\dots$

m $8 \times 3 = \dots\dots + \dots\dots + \dots\dots$

n $6 \times 5 = \dots\dots + \dots\dots + \dots\dots + \dots\dots + \dots\dots$

o $6 \times 5 = \dots\dots + \dots\dots + \dots\dots + \dots\dots + \dots\dots + \dots\dots$

p $4 \times 7 = \dots\dots + \dots\dots + \dots\dots + \dots\dots + \dots\dots + \dots\dots + \dots\dots$

q $4 \times 7 = \dots\dots + \dots\dots + \dots\dots + \dots\dots$

r $5 \times 5 = \dots\dots + \dots\dots + \dots\dots + \dots\dots + \dots\dots$

**First Choose the correct answer**

- a The value of the digit 4 in the number 524 368 =
(4 000 or 40 000 or 400)
- b $6 + 6 + 6 + 6 = \dots\dots\dots$ (6×6 or 6×4 or $6 + 4$)
- c $500 + 0 + 0 + 5 = \dots\dots\dots$ (500 005 or 50 005 or 505)
- d $3 \times 4 = \dots\dots\dots$ ($3 + 3 + 3$ or $4 + 4 + 4$ or $3 + 4$)
- e The number that comes right before 301 000 is
(300 000 or 301 001 or 300 999)

Second Complete the following

- a 15 tens + 120 hundreds =
- b $7 \times 3 = \dots\dots + \dots\dots + \dots\dots$
- c $4 + 4 + 4 + 4 + 4 + 4 + 4 = \dots\dots \times \dots\dots = \dots\dots\dots$
- d The smallest 5 - different - digit numberr is
- e 2, 4, 6, 8, 10,,,,

Third Answer the following

- a Find the result :

(1) $456 + 218 = \dots\dots\dots$ (2) $4\,208 - 258 = \dots\dots\dots$

- b Arrange the following numbers in a descending order .

45 125 , 45 021 , 45 521 , 45 012 , 45 512

..... , , , ,

- c The school band is getting ready for a concert. They practiced 115 minutes on Monday and 125 minutes on Tuesday.
How many minutes did the band practice on both days?

.....

1 USE THE 120 CHART

Color the multiples of 2 and the multiples of 3 :

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100
101	102	103	104	105	106	107	108	109	110
111	112	113	114	115	116	117	118	119	120

a List the first 10 multiples of 2 :

.....

.....

b List the first 10 multiples of 3 :

.....

.....

c List all of the multiples you found that 2 and 3 share :

.....

.....

2 Complete the following :

a		b	
$2 \times 0 = \dots$	$2 \times 6 = \dots$	$3 \times 0 = \dots$	$3 \times 6 = \dots$
$2 \times 1 = \dots$	$2 \times 7 = \dots$	$3 \times 1 = \dots$	$3 \times 7 = \dots$
$2 \times 2 = \dots$	$2 \times 8 = \dots$	$3 \times 2 = \dots$	$3 \times 8 = \dots$
$2 \times 3 = \dots$	$2 \times 9 = \dots$	$3 \times 3 = \dots$	$3 \times 9 = \dots$
$2 \times 4 = \dots$	$2 \times 10 = \dots$	$3 \times 4 = \dots$	$3 \times 10 = \dots$
$2 \times 5 = \dots$		$3 \times 5 = \dots$	

3 Complete the following :

a $\begin{array}{r} 2 \\ \times 8 \\ \hline \end{array}$	b $\begin{array}{r} 2 \\ \times 5 \\ \hline \end{array}$	c $\begin{array}{r} 3 \\ \times 7 \\ \hline \end{array}$	d $\begin{array}{r} 3 \\ \times 9 \\ \hline \end{array}$
e $\begin{array}{r} 6 \\ \times 2 \\ \hline \end{array}$	f $\begin{array}{r} 9 \\ \times 2 \\ \hline \end{array}$	g $\begin{array}{r} 4 \\ \times 3 \\ \hline \end{array}$	h $\begin{array}{r} 5 \\ \times 3 \\ \hline \end{array}$

4 Complete the following :

a $2 \times \dots = 12$	b $4 \times \dots = 12$	c $7 \times \dots = 21$
d $\dots \times 9 = 18$	e $\dots \times 7 = 14$	f $\dots \times 3 = 9$
g $9 + 9 = \dots \times \dots = \dots$	h $8 + 8 + 8 = \dots \times \dots = \dots$	
i $7 + 7 + 7 = \dots \times \dots = \dots$	j $10 + 10 = \dots \times \dots = \dots$	
k $24 = \dots + \dots + \dots = \dots \times \dots$	l $18 = \dots + \dots = \dots \times \dots$	



1 Complete the multiplication table:

$2 \times 0 = \dots\dots$	$2 \times 1 = \dots\dots$	$3 \times 0 = \dots\dots$	$3 \times 1 = \dots\dots$
$2 \times 1 = \dots\dots$	$2 \times 3 = \dots\dots$	$3 \times 1 = \dots\dots$	$3 \times 3 = \dots\dots$
$2 \times 2 = \dots\dots$	$2 \times 5 = \dots\dots$	$3 \times 2 = \dots\dots$	$3 \times 5 = \dots\dots$
$2 \times 3 = \dots\dots$	$2 \times 7 = \dots\dots$	$3 \times 3 = \dots\dots$	$3 \times 7 = \dots\dots$
$2 \times 4 = \dots\dots$	$2 \times 9 = \dots\dots$	$3 \times 4 = \dots\dots$	$3 \times 9 = \dots\dots$
$2 \times 5 = \dots\dots$	$2 \times 10 = \dots\dots$	$3 \times 5 = \dots\dots$	$3 \times 10 = \dots\dots$
$2 \times 6 = \dots\dots$	$2 \times 8 = \dots\dots$	$3 \times 6 = \dots\dots$	$3 \times 8 = \dots\dots$
$2 \times 7 = \dots\dots$	$2 \times 6 = \dots\dots$	$3 \times 7 = \dots\dots$	$3 \times 6 = \dots\dots$
$2 \times 8 = \dots\dots$	$2 \times 4 = \dots\dots$	$3 \times 8 = \dots\dots$	$3 \times 4 = \dots\dots$
$2 \times 9 = \dots\dots$	$2 \times 2 = \dots\dots$	$3 \times 9 = \dots\dots$	$3 \times 2 = \dots\dots$
$2 \times 10 = \dots\dots$	$2 \times 0 = \dots\dots$	$3 \times 10 = \dots\dots$	$3 \times 0 = \dots\dots$

2 Complete:

$2 \times \dots = 2$	$2 \times \dots = 0$	$3 \times \dots = 3$	$3 \times \dots = 0$
$2 \times \dots = 20$	$2 \times \dots = 8$	$3 \times \dots = 21$	$3 \times \dots = 9$
$2 \times \dots = 4$	$2 \times \dots = 16$	$3 \times \dots = 6$	$3 \times \dots = 18$
$2 \times \dots = 18$	$2 \times \dots = 2$	$3 \times \dots = 30$	$3 \times \dots = 27$
$2 \times \dots = 6$	$2 \times \dots = 10$	$3 \times \dots = 9$	$3 \times \dots = 3$
$2 \times \dots = 16$	$2 \times \dots = 18$	$3 \times \dots = 27$	$3 \times \dots = 12$
$2 \times \dots = 8$	$2 \times \dots = 4$	$3 \times \dots = 12$	$3 \times \dots = 21$
$2 \times \dots = 14$	$2 \times \dots = 12$	$3 \times \dots = 24$	$3 \times \dots = 30$
$2 \times \dots = 10$	$2 \times \dots = 20$	$3 \times \dots = 15$	$3 \times \dots = 6$
$2 \times \dots = 0$	$2 \times \dots = 6$	$3 \times \dots = 0$	$3 \times \dots = 15$
$2 \times \dots = 12$	$2 \times \dots = 14$	$3 \times \dots = 18$	$3 \times \dots = 24$

3 Complete:

$\begin{array}{r} 2 \\ \times 5 \\ \hline \end{array}$	$\begin{array}{r} 2 \\ \times 4 \\ \hline \end{array}$	$\begin{array}{r} 2 \\ \times 3 \\ \hline \end{array}$	$\begin{array}{r} 2 \\ \times 2 \\ \hline \end{array}$	$\begin{array}{r} 2 \\ \times 1 \\ \hline \end{array}$
$\begin{array}{r} 3 \\ \times 10 \\ \hline \end{array}$	$\begin{array}{r} 3 \\ \times 9 \\ \hline \end{array}$	$\begin{array}{r} 3 \\ \times 8 \\ \hline \end{array}$	$\begin{array}{r} 3 \\ \times 7 \\ \hline \end{array}$	$\begin{array}{r} 3 \\ \times 6 \\ \hline \end{array}$
$\begin{array}{r} 2 \\ \times 0 \\ \hline \end{array}$	$\begin{array}{r} 2 \\ \times 6 \\ \hline \end{array}$	$\begin{array}{r} 2 \\ \times 7 \\ \hline \end{array}$	$\begin{array}{r} 2 \\ \times 8 \\ \hline \end{array}$	$\begin{array}{r} 2 \\ \times 9 \\ \hline \end{array}$
$\begin{array}{r} 3 \\ \times 5 \\ \hline \end{array}$	$\begin{array}{r} 3 \\ \times 4 \\ \hline \end{array}$	$\begin{array}{r} 3 \\ \times 3 \\ \hline \end{array}$	$\begin{array}{r} 3 \\ \times 2 \\ \hline \end{array}$	$\begin{array}{r} 3 \\ \times 1 \\ \hline \end{array}$

4 Match :

2×0

2×3

2×6

2×9

3×2

3×6

3×0

3×4

5 Complete :

a $5 + 5 = \dots \times \dots = \dots$ **e** $4 + 4 + 4 = \dots \times \dots = \dots$

b $6 + 6 = \dots \times \dots = \dots$ **f** $7 + 7 + 7 = \dots \times \dots = \dots$

c $8 + 8 = \dots \times \dots = \dots$ **g** $9 + 9 + 9 = \dots \times \dots = \dots$

d $3 + 3 = \dots \times \dots = \dots$ **h** $2 + 2 + 2 = \dots \times \dots = \dots$

6 Use the 120 char , to find :

a List the first 20 multiples of 2 :

.....

b List the first 20 multiples of 3 :

.....

c List the common multiples of 2 and 3

.....

7 Choose the correct answer :

a $3 + 3 + 3 + 3 = \dots\dots\dots$ (3×3 or 4×4 or 2×6)

b $6 + 6 = \dots\dots\dots$ (6×6 or 3×4 or 2×2)

c $5 + 5 + 5 + 5 = \dots\dots\dots$ (5×4 or $5 + 4$ or 5×5)

d $8 + 8 + 8 = \dots\dots\dots$ ($3 + 8$ or $12 + 12$ or 8×8)

e $4 \times 4 = \dots\dots\dots$ ($8 + 8$ or 4×6 or 6×6)

f $4 + 6 = \dots\dots\dots$ ($2 + 5$ or 10×2 or 2×5)

g $4 \times 2 = \dots\dots\dots$ (4×4 or $4 + 4$ or $2 + 2$)

h $9 + 9 = \dots\dots\dots$ ($3 \times 3 \times 3$ or $6 + 6$ or 6×3)

**First Choose the correct answer**

- a** Two hundred thousand , two hundred and twenty =
(200 020 or 2 220 or 200 220)
- b** $2 + 2 + 2 + 2 + 2 + 2 = \dots$ (2×5 or 3×4 or $2 + 6$)
- c** 500 hundreds = tens (5 000 or 50 000 or 500 000)
- d** $8 \times 2 = \dots$ ($8 + 2$ or $8 + 8$ or $4 + 4$)
- e** The number that comes right after 200 999 is
(300 999 or 201 000 or 201 999)

Second Complete the following

- a** The smallest 5-different- digit number is
- b** $8 + 8 + 8 = 8 \times \dots = \dots$
- c** $4 \times 3 = \dots + \dots = \dots$
- d** The place value of the digit 3 in the number 356 202 is
- e** 405 hundreds + 120 tens + 3 ones =

Third Answer the following

- a** Use the number line strategy to find

(1) $432 + 145 = \dots$

(2) $428 - 215 = \dots$

- b** Arrange the following numbers in an ascending order .

180 000 , 108 000 , 810 000 , 801 000 , 118 000

..... , , , ,

- c** list the first 5 multiples of the number 3 :

.....

The Multiplication table (4 & 5)

1 USE THE 120 CHART

Color the multiples of 4 and the multiples of 5 :

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100
101	102	103	104	105	106	107	108	109	110
111	112	113	114	115	116	117	118	119	120

a List the first 10 multiples of 4 :

..... , , , ,

..... , , , ,

b List the first 10 multiples of 5 :

..... , , , ,

..... , , , ,

c List all of the multiples you found that 4 and 5 share :

.....

.....

2 Complete the following :

a		b	
4 X 0 =	4 X 6 =	5 X 0 =	5 X 6 =
4 X 1 =	4 X 7 =	5 X 1 =	5 X 7 =
4 X 2 =	4 X 8 =	5 X 2 =	5 X 8 =
4 X 3 =	4 X 9 =	5 X 3 =	5 X 9 =
4 X 4 =	4 X 10 =	5 X 4 =	5 X 10 =
4 X 5 =		5 X 5 =	

3 Complete the following :

a 5 X 8	b 5 X 5	c 4 X 7	d 4 X 9
e 6 X 5	f 9 X 5	g 4 X 4	h 4 X 5

4 Complete the following :

a $5 \times \dots = 40$	b $4 \times \dots = 40$	c $8 \times \dots = 32$
d $\dots \times 6 = 24$	e $\dots \times 7 = 35$	f $\dots \times 9 = 36$
g $5 + 5 = \dots \times \dots = \dots$	h $4 + 4 + 4 = \dots \times \dots = \dots$	
i $1 + 1 + 1 + 1 = \dots \times \dots = \dots$	j $8 + 8 + 8 = 4 \times \dots = \dots$	
k $30 = \dots + \dots + \dots = 5 \times \dots$	l $28 = \dots + \dots + \dots + \dots = \dots \times \dots$	



1 Complete the multiplication table:

$4 \times 0 = \dots\dots$	$4 \times 1 = \dots\dots$	$5 \times 0 = \dots\dots$	$5 \times 1 = \dots\dots$
$4 \times 1 = \dots\dots$	$4 \times 3 = \dots\dots$	$5 \times 1 = \dots\dots$	$5 \times 3 = \dots\dots$
$4 \times 2 = \dots\dots$	$4 \times 5 = \dots\dots$	$5 \times 2 = \dots\dots$	$5 \times 5 = \dots\dots$
$4 \times 3 = \dots\dots$	$4 \times 7 = \dots\dots$	$5 \times 3 = \dots\dots$	$5 \times 7 = \dots\dots$
$4 \times 4 = \dots\dots$	$4 \times 9 = \dots\dots$	$5 \times 4 = \dots\dots$	$5 \times 9 = \dots\dots$
$4 \times 5 = \dots\dots$	$4 \times 10 = \dots\dots$	$5 \times 5 = \dots\dots$	$5 \times 10 = \dots\dots$
$4 \times 6 = \dots\dots$	$4 \times 8 = \dots\dots$	$5 \times 6 = \dots\dots$	$5 \times 8 = \dots\dots$
$4 \times 7 = \dots\dots$	$4 \times 6 = \dots\dots$	$5 \times 7 = \dots\dots$	$5 \times 6 = \dots\dots$
$4 \times 8 = \dots\dots$	$4 \times 4 = \dots\dots$	$5 \times 8 = \dots\dots$	$5 \times 4 = \dots\dots$
$4 \times 9 = \dots\dots$	$4 \times 2 = \dots\dots$	$5 \times 9 = \dots\dots$	$5 \times 2 = \dots\dots$
$4 \times 10 = \dots\dots$	$4 \times 0 = \dots\dots$	$5 \times 10 = \dots\dots$	$5 \times 0 = \dots\dots$

2 Complete:

$4 \times \dots = 2$	$4 \times \dots = 0$	$5 \times \dots = 3$	$5 \times \dots = 0$
$4 \times \dots = 20$	$4 \times \dots = 8$	$5 \times \dots = 21$	$5 \times \dots = 9$
$4 \times \dots = 4$	$4 \times \dots = 16$	$5 \times \dots = 6$	$5 \times \dots = 18$
$4 \times \dots = 18$	$4 \times \dots = 2$	$5 \times \dots = 30$	$5 \times \dots = 27$
$4 \times \dots = 6$	$4 \times \dots = 10$	$5 \times \dots = 9$	$5 \times \dots = 3$
$4 \times \dots = 16$	$4 \times \dots = 18$	$5 \times \dots = 27$	$5 \times \dots = 12$
$4 \times \dots = 8$	$4 \times \dots = 4$	$5 \times \dots = 12$	$5 \times \dots = 21$
$4 \times \dots = 14$	$4 \times \dots = 12$	$5 \times \dots = 24$	$5 \times \dots = 30$
$4 \times \dots = 10$	$4 \times \dots = 20$	$5 \times \dots = 15$	$5 \times \dots = 6$
$4 \times \dots = 0$	$4 \times \dots = 6$	$5 \times \dots = 0$	$5 \times \dots = 15$
$4 \times \dots = 12$	$4 \times \dots = 14$	$5 \times \dots = 18$	$5 \times \dots = 24$

3 Complete:

$\begin{array}{r} 5 \\ \times 5 \\ \hline \end{array}$	$\begin{array}{r} 5 \\ \times 4 \\ \hline \end{array}$	$\begin{array}{r} 5 \\ \times 3 \\ \hline \end{array}$	$\begin{array}{r} 5 \\ \times 2 \\ \hline \end{array}$	$\begin{array}{r} 5 \\ \times 1 \\ \hline \end{array}$
$\begin{array}{r} 4 \\ \times 10 \\ \hline \end{array}$	$\begin{array}{r} 4 \\ \times 9 \\ \hline \end{array}$	$\begin{array}{r} 4 \\ \times 8 \\ \hline \end{array}$	$\begin{array}{r} 4 \\ \times 7 \\ \hline \end{array}$	$\begin{array}{r} 4 \\ \times 6 \\ \hline \end{array}$
$\begin{array}{r} 5 \\ \times 0 \\ \hline \end{array}$	$\begin{array}{r} 5 \\ \times 6 \\ \hline \end{array}$	$\begin{array}{r} 5 \\ \times 7 \\ \hline \end{array}$	$\begin{array}{r} 5 \\ \times 8 \\ \hline \end{array}$	$\begin{array}{r} 5 \\ \times 9 \\ \hline \end{array}$
$\begin{array}{r} 4 \\ \times 5 \\ \hline \end{array}$	$\begin{array}{r} 4 \\ \times 4 \\ \hline \end{array}$	$\begin{array}{r} 4 \\ \times 3 \\ \hline \end{array}$	$\begin{array}{r} 4 \\ \times 2 \\ \hline \end{array}$	$\begin{array}{r} 4 \\ \times 1 \\ \hline \end{array}$
$\begin{array}{r} \dots \\ \times 5 \\ \hline 30 \end{array}$	$\begin{array}{r} 4 \\ \times \dots \\ \hline 36 \end{array}$	$\begin{array}{r} 4 \\ \times \dots \\ \hline 20 \end{array}$	$\begin{array}{r} \dots \\ \times 5 \\ \hline 20 \end{array}$	$\begin{array}{r} 5 \\ \times \dots \\ \hline 35 \end{array}$
$\begin{array}{r} 5 \\ \times \dots \\ \hline 15 \end{array}$	$\begin{array}{r} \dots \\ \times 4 \\ \hline 40 \end{array}$	$\begin{array}{r} 5 \\ \times \dots \\ \hline 45 \end{array}$	$\begin{array}{r} \dots \\ \times 4 \\ \hline 28 \end{array}$	$\begin{array}{r} \dots \\ \times 5 \\ \hline 0 \end{array}$

4 Match :

$4 + 4 + 4 + 4$

$8 + 8 + 8$

$6 + 6 + 6$

$10 + 10 + 10$

$9 + 9$

2×8

5×6

4×6

5 Complete :

a $4 + 4 + 4 + 4 + 4 = \dots \times \dots = \dots$

b $5 + 5 + 5 + 5 + 5 + 5 + 5 + 5 = \dots \times \dots = \dots$

c $5 \times 6 = \dots + \dots + \dots = \dots$

d $3 \times 4 = \dots + \dots = \dots$

e $8 + 8 + 8 + 8 + 8 = 4 \times \dots = \dots$

f $4 + 4 + 4 + 4 = 2 \times \dots = \dots$

g $5 \times 4 = 2 \times \dots = \dots$

h $4 \times 6 = 3 \times \dots = \dots$

6 Use the 120 char , to find :

a List the first 20 multiples of 4 :

.....,,,,,,,,,,
,,,,,,,,,

b List the first 20 multiples of 5 :

.....,,,,,,,,,,
,,,,,,,,,

c List the common multiples of 4 and 5 up to 50 :

.....

d List the common multiple of 2 , 3 and 4 up to 40 :

.....

7 Choose the correct answer :

a $5 + 5 + 5 + 5 = \dots\dots$ (5×5 or 4×4 or 5×4)

b $8 + 8 + 8 = \dots\dots$ (8×3 or $8 + 3$ or 8×8)

c $6 + 6 + 6 + 6 = \dots\dots$ (6×4 or 6×6 or $6 + 4$)

d $8 \times 2 = \dots\dots$ ($8 + 2$ or $8 + 8$ or 8×8)

e $9 + 9 = \dots\dots$ (9×9 or 9×2 or 6×3)

f $6 + 6 = \dots\dots$ (6×2 or 6×6 or $6 + 2$)

g $4 \times 4 = \dots\dots$ (8×2 or 1×6 or 3×5)

h 2×5 3×3 ($<$ or $=$ or $>$)

i $5 + 5 + 5$ 4×4 ($<$ or $=$ or $>$)

j $8 + 8 + 8$ 6×4 ($<$ or $=$ or $>$)

k $9 + 9 + 9$ 7×4 ($<$ or $=$ or $>$)

l $5 \times 6 = 3 \times \dots\dots$ (5 or 10 or 6)

m $8 + 8 + 8 + 8 + 8 = 4 \times \dots\dots$ (8 or 5 or 10)

n $6 + 6 + 6 + 6 = 3 \times \dots\dots$ (8 or 6 or 4)



First Choose the correct answer

- a** The smallest 5-digit-number formed from the digits (2 and 5)
is (22 225 or 20 005 or 22 255)
- b** $8 \times 5 = \dots\dots\dots$ (5 + 8 or 4×10 or $40 + 40$)
- c** $6 + 6 + 6 = \dots\dots\dots$ (6 + 3 or 6×6 or 9×2)
- d** The number that comes right after 49 099 is
(50 000 or 49 100 or 50 100)
- e** $3 \times 8 = \dots\dots\dots$ (3 + 3 + 3 or $8 + 8 + 8 + 8$ or $6 + 6 + 6 + 6$)

Second Complete the following

- a** 700 tens + 500 hundreds + 200 ones =
- b** The place-value of the digit 5 in the number 824 568 is
- c** $2 + 2 + 2 + 2 + 2 + 2 = 4 \times \dots\dots\dots$
- d** $5 \times 8 = \dots\dots\dots + \dots\dots\dots + \dots\dots\dots + \dots\dots\dots$
- e** $200\,000 + 5\,000 + 20 = \dots\dots\dots$

Third Answer the following

- a** Find the result :
(1) $8\,532 + 143 = \dots\dots\dots$ (2) $8\,562 - 157 = \dots\dots\dots$

- b** In the opposite array :
The number of rows =
The number of columns =
so, \times =



- c** The sum of two numbers is 275. One of the numbers is 149.
What is the other number?
.....

LESSON 4

The Multiplication table (6 & 7)

1 USE THE 120 CHART

Color the multiples of 6 and the multiples of 7 :

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100
101	102	103	104	105	106	107	108	109	110
111	112	113	114	115	116	117	118	119	120

a List the first 10 multiples of 6 :

..... , , , ,

..... , , , ,

b List the first 10 multiples of 7 :

..... , , , ,

..... , , , ,

c List the common multiples of 4 and 6 up to 60 :

.....

.....

2 Complete the following :

a

$6 \times 0 = \dots\dots$	$6 \times 6 = \dots\dots$
$6 \times 1 = \dots\dots$	$6 \times 7 = \dots\dots$
$6 \times 2 = \dots\dots$	$6 \times 8 = \dots\dots$
$6 \times 3 = \dots\dots$	$6 \times 9 = \dots\dots$
$6 \times 4 = \dots\dots$	$6 \times 10 = \dots\dots$
$6 \times 5 = \dots\dots$	

b

$7 \times 0 = \dots\dots$	$7 \times 6 = \dots\dots$
$7 \times 1 = \dots\dots$	$7 \times 7 = \dots\dots$
$7 \times 2 = \dots\dots$	$7 \times 8 = \dots\dots$
$7 \times 3 = \dots\dots$	$7 \times 9 = \dots\dots$
$7 \times 4 = \dots\dots$	$7 \times 10 = \dots\dots$
$7 \times 5 = \dots\dots$	

3 Complete the following :

$\begin{array}{r} 7 \\ \times 8 \\ \hline \dots\dots \end{array}$	$\begin{array}{r} 5 \\ \times 7 \\ \hline \dots\dots \end{array}$	$\begin{array}{r} 6 \\ \times 8 \\ \hline \dots\dots \end{array}$	$\begin{array}{r} 6 \\ \times 9 \\ \hline \dots\dots \end{array}$
$\begin{array}{r} 6 \\ \times 7 \\ \hline \dots\dots \end{array}$	$\begin{array}{r} 7 \\ \times 5 \\ \hline \dots\dots \end{array}$	$\begin{array}{r} 6 \\ \times 6 \\ \hline \dots\dots \end{array}$	$\begin{array}{r} 4 \\ \times 6 \\ \hline \dots\dots \end{array}$
$\begin{array}{r} 6 \\ \times \dots\dots \\ \hline 12 \end{array}$	$\begin{array}{r} 7 \\ \times \dots\dots \\ \hline 49 \end{array}$	$\begin{array}{r} 6 \\ \times \dots\dots \\ \hline 18 \end{array}$	$\begin{array}{r} 7 \\ \times \dots\dots \\ \hline 14 \end{array}$
$\begin{array}{r} 6 \\ \times \dots\dots \\ \hline 30 \end{array}$	$\begin{array}{r} 7 \\ \times \dots\dots \\ \hline 21 \end{array}$	$\begin{array}{r} 6 \\ \times \dots\dots \\ \hline 12 \end{array}$	$\begin{array}{r} 7 \\ \times \dots\dots \\ \hline 35 \end{array}$

4 Complete in the same pattern :

a 0, 2, 4, 6, 8,,,,,

b 0, 4, 8, 12, 16,,,,,

c 0, 6, 12, 18, 24,,,,,

d 0, 7, 14, 21, 28,,,,,

5 Complete :

a $7 + 7 + 7 + 7 = \dots \times \dots = \dots$

b $8 + 8 + 8 + 8 + 8 + 8 = \dots \times \dots = \dots$

c $8 \times 7 = 7 \times \dots = \dots$

d $9 + 9 + 9 + 9 = \dots \times 6 = \dots$

e $5 + 5 + 5 + 5 + 5 + 5 + 5 + 5 = 8 \times \dots = \dots$

6 Mr. Sameh gave 4 lollipops to each of his 8 students.
How many lollipops did Mr. Sameh have at first?



$\dots \times \dots = \dots$

7 How many eggs are there in the opposit carton?



$\dots \times \dots = \dots$


1 Complete the multiplication table:

$6 \times 0 = \dots\dots$	$6 \times 1 = \dots\dots$	$7 \times 0 = \dots\dots$	$7 \times 1 = \dots\dots$
$6 \times 1 = \dots\dots$	$6 \times 3 = \dots\dots$	$7 \times 1 = \dots\dots$	$7 \times 3 = \dots\dots$
$6 \times 2 = \dots\dots$	$6 \times 5 = \dots\dots$	$7 \times 2 = \dots\dots$	$7 \times 5 = \dots\dots$
$6 \times 3 = \dots\dots$	$6 \times 7 = \dots\dots$	$7 \times 3 = \dots\dots$	$7 \times 7 = \dots\dots$
$6 \times 4 = \dots\dots$	$6 \times 9 = \dots\dots$	$7 \times 4 = \dots\dots$	$7 \times 9 = \dots\dots$
$6 \times 5 = \dots\dots$	$6 \times 10 = \dots\dots$	$7 \times 5 = \dots\dots$	$7 \times 10 = \dots\dots$
$6 \times 6 = \dots\dots$	$6 \times 8 = \dots\dots$	$7 \times 6 = \dots\dots$	$7 \times 8 = \dots\dots$
$6 \times 7 = \dots\dots$	$6 \times 6 = \dots\dots$	$7 \times 7 = \dots\dots$	$7 \times 6 = \dots\dots$
$6 \times 8 = \dots\dots$	$6 \times 4 = \dots\dots$	$7 \times 8 = \dots\dots$	$7 \times 4 = \dots\dots$
$6 \times 9 = \dots\dots$	$6 \times 2 = \dots\dots$	$7 \times 9 = \dots\dots$	$7 \times 2 = \dots\dots$
$6 \times 10 = \dots\dots$	$6 \times 0 = \dots\dots$	$7 \times 10 = \dots\dots$	$7 \times 0 = \dots\dots$

2 Complete:

$1 \times \dots = 6$	$0 \times \dots = 0$	$6 \times \dots = 6$	$7 \times \dots = 14$
$3 \times \dots = 18$	$1 \times \dots = 7$	$6 \times \dots = 18$	$7 \times \dots = 28$
$5 \times \dots = 30$	$2 \times \dots = 12$	$6 \times \dots = 30$	$7 \times \dots = 42$
$7 \times \dots = 42$	$3 \times \dots = 21$	$6 \times \dots = 42$	$7 \times \dots = 56$
$9 \times \dots = 54$	$4 \times \dots = 24$	$6 \times \dots = 54$	$7 \times \dots = 70$
$10 \times \dots = 70$	$5 \times \dots = 35$	$6 \times \dots = 63$	$7 \times \dots = 7$
$8 \times \dots = 56$	$6 \times \dots = 36$	$6 \times \dots = 0$	$7 \times \dots = 21$
$6 \times \dots = 42$	$7 \times \dots = 49$	$6 \times \dots = 12$	$7 \times \dots = 35$
$4 \times \dots = 28$	$8 \times \dots = 48$	$6 \times \dots = 24$	$7 \times \dots = 49$
$2 \times \dots = 14$	$9 \times \dots = 63$	$6 \times \dots = 36$	$7 \times \dots = 63$
$0 \times \dots = 0$	$10 \times \dots = 60$	$6 \times \dots = 48$	$7 \times \dots = 0$

3 Complete:

$\begin{array}{r} 6 \\ \times 7 \\ \hline \end{array}$	$\begin{array}{r} 6 \\ \times 9 \\ \hline \end{array}$	$\begin{array}{r} 6 \\ \times 5 \\ \hline \end{array}$	$\begin{array}{r} 6 \\ \times 4 \\ \hline \end{array}$	$\begin{array}{r} 6 \\ \times 8 \\ \hline \end{array}$
$\begin{array}{r} 7 \\ \times 4 \\ \hline \end{array}$	$\begin{array}{r} 7 \\ \times 3 \\ \hline \end{array}$	$\begin{array}{r} 7 \\ \times 6 \\ \hline \end{array}$	$\begin{array}{r} 7 \\ \times 5 \\ \hline \end{array}$	$\begin{array}{r} 7 \\ \times 2 \\ \hline \end{array}$
$\begin{array}{r} 7 \\ \times 1 \\ \hline \end{array}$	$\begin{array}{r} 6 \\ \times 0 \\ \hline \end{array}$	$\begin{array}{r} 7 \\ \times 8 \\ \hline \end{array}$	$\begin{array}{r} 6 \\ \times 6 \\ \hline \end{array}$	$\begin{array}{r} 7 \\ \times 7 \\ \hline \end{array}$
$\begin{array}{r} \dots \\ \times 5 \\ \hline 35 \end{array}$	$\begin{array}{r} \dots \\ \times 8 \\ \hline 48 \end{array}$	$\begin{array}{r} \dots \\ \times 4 \\ \hline 36 \end{array}$	$\begin{array}{r} \dots \\ \times 3 \\ \hline 21 \end{array}$	$\begin{array}{r} \dots \\ \times 9 \\ \hline 72 \end{array}$
$\begin{array}{r} 7 \\ \times \dots \\ \hline 70 \end{array}$	$\begin{array}{r} 8 \\ \times \dots \\ \hline 56 \end{array}$	$\begin{array}{r} 10 \\ \times \dots \\ \hline 60 \end{array}$	$\begin{array}{r} 6 \\ \times \dots \\ \hline 36 \end{array}$	$\begin{array}{r} 5 \\ \times \dots \\ \hline 40 \end{array}$
$\begin{array}{r} 5 \\ \times \dots \\ \hline 30 \end{array}$	$\begin{array}{r} 4 \\ \times \dots \\ \hline 24 \end{array}$	$\begin{array}{r} 2 \\ \times \dots \\ \hline 17 \end{array}$	$\begin{array}{r} \dots \\ \times 8 \\ \hline 16 \end{array}$	$\begin{array}{r} \dots \\ \times 9 \\ \hline 27 \end{array}$

4 Match:

3 X 4	3 X 6	3 X 8	4 X 9	4 X 4
2 X 9	2 X 6	2 X 8	4 X 6	6 X 6

5 Complete :

a $4 + 4 + 4 + 4 + 4 + 4 + 4 + 4 = \dots \times \dots = \dots$

b $5 + 5 + 5 + 5 + 5 + 5 + 5 = \dots \times \dots = \dots$

c $5 \times 8 = \dots + \dots + \dots + \dots + \dots = \dots$

d $4 \times 4 = \dots + \dots = \dots$

e $7 + 7 + 7 + 7 + 7 = 5 \times \dots = \dots$

f $4 + 4 + 4 + 4 = 2 \times \dots = \dots$

g $5 \times 8 = 4 \times \dots = \dots$

h $6 \times 6 = 4 \times \dots = \dots$

6 Use the 120 char , to find :

a List the first 20 multiples of 6 :

..... , , , , , , , , ,
 , , , , , , , , ,

b List the first 20 multiples of 7 :

..... , , , , , , , , ,
 , , , , , , , , ,

c List the common multiples of 6 and 5 up to 50 :

.....

d List the common multiple of 3 , 4 and 6 up to 60 :

.....

7 Choose the correct answer :

a $5 + 5 + 5 + 5 + 5 + 5 = \dots$ (5×6 or 6×6 or 5×5)

b $8 + 8 = \dots$ (8×8 or $8 + 2$ or 4×4)

c $6 + 6 + 6 + 6 = \dots$ (3×6 or 3×8 or $6 + 4$)

d $8 \times 2 = \dots$ ($8 + 2$ or $8 + 8$ or 8×8)

e $9 + 9 + 9 + 9 + 9 + 9 = \dots$ (9×9 or $9 + 6$ or 6×9)

f $6 + 6 + 6 = \dots$ (9×2 or 6×6 or $6 + 3$)

g $4 \times 4 = \dots$ (8×2 or 1×6 or 3×5)

h 5×5 3×8 ($<$ or $=$ or $>$)

i $5 + 5 + 5 + 5$ 3×7 ($<$ or $=$ or $>$)

j $8 + 8 + 8 + 8$ 9×4 ($<$ or $=$ or $>$)

k $9 + 9 + 9 + 9$ 9×4 ($<$ or $=$ or $>$)

l $5 \times 6 = 3 \times \dots$ (5 or 10 or 6)

m $8 + 8 + 8 = 4 \times \dots$ (8 or 6 or 10)

n $6 + 6 + 6 = 2 \times \dots$ (9 or 6 or 4)

8 Complete in the same pattern :

a 0, 2, 4, 6, 8,,,,,

b 0, 3, 6, 9, 12,,,,,

c 0, 4, 8, 12, 16,,,,,

d 0, 5, 10, 15, 20,,,,,

e 0, 6, 12, 18, 24,,,,,

f 0, 7, 14, 21, 28,,,,,

9 Answer the following :

c On Samira's walk home she saw 6 cars.
If each car has 4 wheels,
how many wheels did she see in all?



..... X =

d Manal brought 6 bags of cookies to school. Each bag had 3 cookies in it.
How many cookies were there all together?



..... X =

e Malek runs 3 miles each day.
How many miles does he run in 7 days?



..... X =

f A bag of oranges holds 4 oranges.
How many oranges are in 8 bags?



..... X =

**First Choose the correct answer**

- a 560 thousands + 10 hundreds + 3 tens + 5 ones =
(560 135 or 561 035 or 56 135)
- b $6 + 6 + 6 + 6 + 6 + 6 = \dots\dots\dots$ ($6 + 6$ or 6×5 or 4×9)
- c $4 \times 6 = 3 \times \dots\dots\dots$ (6 or 8 or 9)
- d $450\,045 = 45 + \dots\dots\dots$ ($450\,000$ or $4\,500$ or 450)
- e The value of the digit 8 in the number 8 567 is
(80 000 or 800 000 or 8 000)

Second Complete the following

- a $9 + 9 + 9 + 9 + 9 = \dots\dots \times \dots\dots$
- b The greatest 4 - digit number is
- c The number that comes right before 500 100 is
- d $9 \times 2 = \dots\dots + \dots\dots$
- e ☆ □ , ☆ □ , ☆ □ , ,

Third Answer the following

- a Find the result :
(1) $7\,852 + 148 = \dots\dots\dots$ (2) $7\,005 - 155 = \dots\dots\dots$
- b Arrange the following numbers in a descending order .
 $15\,030$, $150\,003$, $15\,300$, $153\,000$, $15\,003$
..... , , , ,
- c It takes a rocket 7 seconds to travel one kilometer.
How many seconds will it take to travel 4 kilometers?
..... \times =
- d Each pack of pencils contains 8 pencils.
How many pencils are in 3 packs?
..... \times =

The Multiplication Table (8 & 9)

1 USE THE 120 CHART

Color the multiples of 8 and the multiples of 9 :

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100
101	102	103	104	105	106	107	108	109	110
111	112	113	114	115	116	117	118	119	120

a List the first 10 multiples of 8 :

..... , , , ,
 , , , ,

b List the first 10 multiples of 9 :

..... , , , ,
 , , , ,

c List the common multiples of 6 and 9 up to 90 :

.....

2 Complet the following :

a

8 X 0 =	8 X 6 =
8 X 1 =	8 X 7 =
8 X 2 =	8 X 8 =
8 X 3 =	8 X 9 =
8 X 4 =	8 X 10 =
8 X 5 =	

b

9 X 0 =	9 X 6 =
9 X 1 =	9 X 7 =
9 X 2 =	9 X 8 =
9 X 3 =	9 X 9 =
9 X 4 =	9 X 10 =
9 X 5 =	

3 Complet the following :

$\begin{array}{r} 2 \\ \times 2 \\ \hline \end{array}$	$\begin{array}{r} 2 \\ \times 6 \\ \hline \end{array}$	$\begin{array}{r} 3 \\ \times 6 \\ \hline \end{array}$	$\begin{array}{r} 5 \\ \times 5 \\ \hline \end{array}$
$\begin{array}{r} 2 \\ \times 3 \\ \hline \end{array}$	$\begin{array}{r} 2 \\ \times 7 \\ \hline \end{array}$	$\begin{array}{r} 2 \\ \times 9 \\ \hline \end{array}$	$\begin{array}{r} 3 \\ \times 9 \\ \hline \end{array}$
$\begin{array}{r} 2 \\ \times 4 \\ \hline \end{array}$	$\begin{array}{r} 3 \\ \times 5 \\ \hline \end{array}$	$\begin{array}{r} 4 \\ \times 5 \\ \hline \end{array}$	$\begin{array}{r} 4 \\ \times 7 \\ \hline \end{array}$
$\begin{array}{r} 3 \\ \times 3 \\ \hline \end{array}$	$\begin{array}{r} 4 \\ \times 4 \\ \hline \end{array}$	$\begin{array}{r} 3 \\ \times 7 \\ \hline \end{array}$	$\begin{array}{r} 5 \\ \times 6 \\ \hline \end{array}$
$\begin{array}{r} 2 \\ \times 5 \\ \hline \end{array}$	$\begin{array}{r} 2 \\ \times 8 \\ \hline \end{array}$	$\begin{array}{r} 4 \\ \times 6 \\ \hline \end{array}$	$\begin{array}{r} 4 \\ \times 8 \\ \hline \end{array}$
$\begin{array}{r} 3 \\ \times 4 \\ \hline \end{array}$	$\begin{array}{r} 3 \\ \times 6 \\ \hline \end{array}$	$\begin{array}{r} 3 \\ \times 8 \\ \hline \end{array}$	$\begin{array}{r} 5 \\ \times 7 \\ \hline \end{array}$

4 Complete in the same pattern :

a 30 , 27 , 24 , 21 , , , , ,

b 50 , 45 , 40 , 35 , , , , ,

c 70 , 63 , 56 , 49 , , , , ,

d 90 , 81 , 72 , 63 , , , , ,

5 Match each story problem to its multiplication equation.

a Mariam had 4 sweaters.

Each sweater had 3 buttons on it.

How many total buttons are there on all the sweaters?

$$6 \times 6 = 36$$

b Rana packed 6 boxes full of cans.

Each box had 6 cans.

How many total cans did Rana pack?

$$3 \times 7 = 21$$

c Amir hiked for 3 days over the

summer. Each day he hiked 7 miles.

How many miles did he hike in all?

$$4 \times 3 = 12$$

1 Complete the multiplication table:

$8 \times 0 = \dots\dots$	$8 \times 1 = \dots\dots$	$9 \times 0 = \dots\dots$	$9 \times 1 = \dots\dots$
$8 \times 1 = \dots\dots$	$8 \times 3 = \dots\dots$	$9 \times 1 = \dots\dots$	$9 \times 3 = \dots\dots$
$8 \times 2 = \dots\dots$	$8 \times 5 = \dots\dots$	$9 \times 2 = \dots\dots$	$9 \times 5 = \dots\dots$
$8 \times 3 = \dots\dots$	$8 \times 7 = \dots\dots$	$9 \times 3 = \dots\dots$	$9 \times 7 = \dots\dots$
$8 \times 4 = \dots\dots$	$8 \times 9 = \dots\dots$	$9 \times 4 = \dots\dots$	$9 \times 9 = \dots\dots$
$8 \times 5 = \dots\dots$	$8 \times 10 = \dots\dots$	$9 \times 5 = \dots\dots$	$9 \times 10 = \dots\dots$
$8 \times 6 = \dots\dots$	$8 \times 8 = \dots\dots$	$9 \times 6 = \dots\dots$	$9 \times 8 = \dots\dots$
$8 \times 7 = \dots\dots$	$8 \times 6 = \dots\dots$	$9 \times 7 = \dots\dots$	$9 \times 6 = \dots\dots$
$8 \times 8 = \dots\dots$	$8 \times 4 = \dots\dots$	$9 \times 8 = \dots\dots$	$9 \times 4 = \dots\dots$
$8 \times 9 = \dots\dots$	$8 \times 2 = \dots\dots$	$9 \times 9 = \dots\dots$	$9 \times 2 = \dots\dots$
$8 \times 10 = \dots\dots$	$8 \times 0 = \dots\dots$	$9 \times 10 = \dots\dots$	$9 \times 0 = \dots\dots$

2 Complete:

$1 \times \dots\dots = 9$	$0 \times \dots\dots = 0$	$8 \times \dots\dots = 0$	$9 \times \dots\dots = 9$
$3 \times \dots\dots = 27$	$1 \times \dots\dots = 8$	$8 \times \dots\dots = 16$	$9 \times \dots\dots = 27$
$5 \times \dots\dots = 45$	$2 \times \dots\dots = 16$	$8 \times \dots\dots = 32$	$9 \times \dots\dots = 45$
$7 \times \dots\dots = 63$	$3 \times \dots\dots = 24$	$8 \times \dots\dots = 48$	$9 \times \dots\dots = 63$
$9 \times \dots\dots = 81$	$4 \times \dots\dots = 32$	$8 \times \dots\dots = 64$	$9 \times \dots\dots = 81$
$10 \times \dots\dots = 90$	$5 \times \dots\dots = 40$	$8 \times \dots\dots = 80$	$9 \times \dots\dots = 0$
$8 \times \dots\dots = 72$	$6 \times \dots\dots = 48$	$8 \times \dots\dots = 8$	$9 \times \dots\dots = 18$
$6 \times \dots\dots = 54$	$7 \times \dots\dots = 56$	$8 \times \dots\dots = 24$	$9 \times \dots\dots = 36$
$4 \times \dots\dots = 36$	$8 \times \dots\dots = 64$	$8 \times \dots\dots = 40$	$9 \times \dots\dots = 54$
$2 \times \dots\dots = 18$	$9 \times \dots\dots = 72$	$8 \times \dots\dots = 56$	$9 \times \dots\dots = 72$
$0 \times \dots\dots = 0$	$10 \times \dots\dots = 80$	$8 \times \dots\dots = 72$	$9 \times \dots\dots = 90$

6 Complete in the same pattern :

a 0, 2, 4, 6,,,,,

b 30, 27, 24, 21,,,,,

c 0, 4, 8, 12,,,,,

d 50, 45, 40, 35,,,,,

e 0, 6, 12, 18,,,,,

f 70, 63, 56, 49,,,,,

g 0, 8, 16, 24,,,,,

h 90, 81, 72, 63,,,,,

7 Answer the following :

a There are 9 apples in each box.
How many apples are in 6 boxes?

..... **X** =



b Eman has 2 boxes of oranges .
Each box holds 5 oranges.
How many tickets does Eman have ?

..... **X** =



c There are 9 erasers in each box.
How many erasers are in 9 boxes?

..... **X** =



1 Complete the multiplication table:

$8 \times 0 = \dots\dots$	$8 \times 1 = \dots\dots$	$9 \times 0 = \dots\dots$	$9 \times 1 = \dots\dots$
$8 \times 1 = \dots\dots$	$8 \times 3 = \dots\dots$	$9 \times 1 = \dots\dots$	$9 \times 3 = \dots\dots$
$8 \times 2 = \dots\dots$	$8 \times 5 = \dots\dots$	$9 \times 2 = \dots\dots$	$9 \times 5 = \dots\dots$
$8 \times 3 = \dots\dots$	$8 \times 7 = \dots\dots$	$9 \times 3 = \dots\dots$	$9 \times 7 = \dots\dots$
$8 \times 4 = \dots\dots$	$8 \times 9 = \dots\dots$	$9 \times 4 = \dots\dots$	$9 \times 9 = \dots\dots$
$8 \times 5 = \dots\dots$	$8 \times 10 = \dots\dots$	$9 \times 5 = \dots\dots$	$9 \times 10 = \dots\dots$
$8 \times 6 = \dots\dots$	$8 \times 8 = \dots\dots$	$9 \times 6 = \dots\dots$	$9 \times 8 = \dots\dots$
$8 \times 7 = \dots\dots$	$8 \times 6 = \dots\dots$	$9 \times 7 = \dots\dots$	$9 \times 6 = \dots\dots$
$8 \times 8 = \dots\dots$	$8 \times 4 = \dots\dots$	$9 \times 8 = \dots\dots$	$9 \times 4 = \dots\dots$
$8 \times 9 = \dots\dots$	$8 \times 2 = \dots\dots$	$9 \times 9 = \dots\dots$	$9 \times 2 = \dots\dots$
$8 \times 10 = \dots\dots$	$8 \times 0 = \dots\dots$	$9 \times 10 = \dots\dots$	$9 \times 0 = \dots\dots$

2 Complete:

$1 \times \dots = 9$	$0 \times \dots = 0$	$8 \times \dots = 0$	$9 \times \dots = 9$
$3 \times \dots = 27$	$1 \times \dots = 8$	$8 \times \dots = 16$	$9 \times \dots = 27$
$5 \times \dots = 45$	$2 \times \dots = 16$	$8 \times \dots = 32$	$9 \times \dots = 45$
$7 \times \dots = 63$	$3 \times \dots = 24$	$8 \times \dots = 48$	$9 \times \dots = 63$
$9 \times \dots = 81$	$4 \times \dots = 32$	$8 \times \dots = 64$	$9 \times \dots = 81$
$10 \times \dots = 90$	$5 \times \dots = 40$	$8 \times \dots = 80$	$9 \times \dots = 0$
$8 \times \dots = 72$	$6 \times \dots = 48$	$8 \times \dots = 8$	$9 \times \dots = 18$
$6 \times \dots = 54$	$7 \times \dots = 56$	$8 \times \dots = 24$	$9 \times \dots = 36$
$4 \times \dots = 36$	$8 \times \dots = 64$	$8 \times \dots = 40$	$9 \times \dots = 54$
$2 \times \dots = 18$	$9 \times \dots = 72$	$8 \times \dots = 56$	$9 \times \dots = 72$
$0 \times \dots = 0$	$10 \times \dots = 80$	$8 \times \dots = 72$	$9 \times \dots = 90$

3 Complete:

$$\begin{array}{r} 2 \\ \times 2 \\ \hline \end{array}$$

$$\begin{array}{r} 2 \\ \times 7 \\ \hline \end{array}$$

$$\begin{array}{r} 3 \\ \times 7 \\ \hline \end{array}$$

$$\begin{array}{r} 4 \\ \times 8 \\ \hline \end{array}$$

$$\begin{array}{r} 6 \\ \times 8 \\ \hline \end{array}$$

$$\begin{array}{r} 2 \\ \times 3 \\ \hline \end{array}$$

$$\begin{array}{r} 3 \\ \times 5 \\ \hline \end{array}$$

$$\begin{array}{r} 3 \\ \times 8 \\ \hline \end{array}$$

$$\begin{array}{r} 5 \\ \times 7 \\ \hline \end{array}$$

$$\begin{array}{r} 7 \\ \times 7 \\ \hline \end{array}$$

$$\begin{array}{r} 2 \\ \times 4 \\ \hline \end{array}$$

$$\begin{array}{r} 4 \\ \times 4 \\ \hline \end{array}$$

$$\begin{array}{r} 4 \\ \times 6 \\ \hline \end{array}$$

$$\begin{array}{r} 6 \\ \times 6 \\ \hline \end{array}$$

$$\begin{array}{r} 6 \\ \times 9 \\ \hline \end{array}$$

$$\begin{array}{r} 3 \\ \times 3 \\ \hline \end{array}$$

$$\begin{array}{r} 2 \\ \times 8 \\ \hline \end{array}$$

$$\begin{array}{r} 5 \\ \times 5 \\ \hline \end{array}$$

$$\begin{array}{r} 4 \\ \times 9 \\ \hline \end{array}$$

$$\begin{array}{r} 7 \\ \times 8 \\ \hline \end{array}$$

$$\begin{array}{r} 2 \\ \times 5 \\ \hline \end{array}$$

$$\begin{array}{r} 3 \\ \times 6 \\ \hline \end{array}$$

$$\begin{array}{r} 3 \\ \times 9 \\ \hline \end{array}$$

$$\begin{array}{r} 5 \\ \times 8 \\ \hline \end{array}$$

$$\begin{array}{r} 7 \\ \times 9 \\ \hline \end{array}$$

$$\begin{array}{r} 2 \\ \times 6 \\ \hline \end{array}$$

$$\begin{array}{r} 2 \\ \times 9 \\ \hline \end{array}$$

$$\begin{array}{r} 4 \\ \times 7 \\ \hline \end{array}$$

$$\begin{array}{r} 6 \\ \times 7 \\ \hline \end{array}$$

$$\begin{array}{r} 8 \\ \times 8 \\ \hline \end{array}$$

$$\begin{array}{r} 3 \\ \times 4 \\ \hline \end{array}$$

$$\begin{array}{r} 4 \\ \times 5 \\ \hline \end{array}$$

$$\begin{array}{r} 5 \\ \times 6 \\ \hline \end{array}$$

$$\begin{array}{r} 5 \\ \times 9 \\ \hline \end{array}$$

$$\begin{array}{r} 9 \\ \times 9 \\ \hline \end{array}$$

4 Match :

9×4	9×2	6×4	6×2	4×4	5×8
--------------	--------------	--------------	--------------	--------------	--------------

3×8	6×6	3×6	4×10	3×4	2×8
--------------	--------------	--------------	---------------	--------------	--------------

5 Use the 120 char , to find :

a List the common multiples of 2 and 3 up to 30 :

.....

b List the common multiples of 5 and 4 up to 40 :

.....

c List the common multiples of 4 and 6 up to 60 :

.....

d List the common multiples of 6 and 9 up to 60 :

.....

e List the common multiples of 6 and 8 up to 80 :

.....

6 Complete in the same pattern :

a 0, 2, 4, 6,,,,,

b 30, 27, 24, 21,,,,,

c 0, 4, 8, 12,,,,,

d 50, 45, 40, 35,,,,,

e 0, 6, 12, 18,,,,,

f 70, 63, 56, 49,,,,,

g 0, 8, 16, 24,,,,,

h 90, 81, 72, 63,,,,,

7 Answer the following :

a There are 9 apples in each box.
How many apples are in 6 boxes?

..... **x** =



b Eman has 2 boxes of oranges .
Each box holds 5 oranges.
How many tickets does Eman have ?

..... **x** =



c There are 9 erasers in each box.
How many erasers are in 9 boxes?

..... **x** =

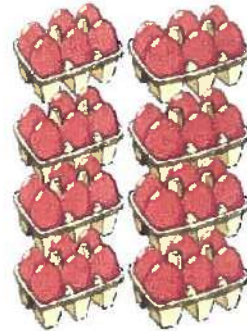


- d** Each peanut costs LE 5 .
How much do 7 peanuts cost?



$$\dots \times \dots = \dots$$

- e** Ahmed went to the store 8 times last month.
He buys 6 eggs each time he goes to the store.
How many eggs did Ahmed buy last month?



$$\dots \times \dots = \dots$$

- f** Each child has 7 bananas.
If there are 7 children,
how many bananas are there in total?



$$\dots \times \dots = \dots$$

- g** Each child has 8 crayons.
If there are 8 children,
how many crayons are there in total?



$$\dots \times \dots = \dots$$

- h** Each box of cookies costs LE 6.
How much do 5 boxes cost?



$$\dots \times \dots = \dots$$

Sheet 5

First Choose the correct answer

- a** $8 + 8 + 8 + 8 + 8 + 8 + 8 = \dots\dots\dots$ (7×8 or $8 + 7$ or 8×8)
- b** 6×5 $10 + 10 + 10$ ($<$ or $=$ or $>$)
- c** The smallest 5-digit number is ($10\ 000$ or $12\ 345$ or $10\ 234$)
- d** $10\ 000 + 55\ 000 + 1\ 000 = \dots\dots\dots$ ($65\ 100$ or $155\ 100$ or $66\ 000$)
- e** The number $63\ 000$ comes right after
($63\ 001$ or $62\ 999$ or $63\ 999$)

Second Complete the following

- a** $9 + 9 + 9 + 9 = 6 \times \dots\dots\dots$
- b** $370\ 037 = 37 + \dots\dots\dots$
- c** The place value of the digit 6 in the number $98\ 625$ is
- d** $75\ \text{thousands} + 50\ \text{tens} + 12\ \text{ones} = \dots\dots\dots$
- e** $60, 54, 48, 42, 36, \dots\dots\dots, \dots\dots\dots, \dots\dots\dots, \dots\dots\dots$

Third Answer the following

- a** Find the result :

(1) $8\ 500 + 1\ 500 = \dots\dots\dots$ (2) $7\ 000 - 4\ 500 = \dots\dots\dots$

- b** Arrange the following numbers in an ascending order .

$45\ 450$, $45\ 045$, $45\ 504$, $45\ 054$, $45\ 405$

$\dots\dots\dots, \dots\dots\dots, \dots\dots\dots, \dots\dots\dots, \dots\dots\dots$

- c** Each chair has 4 legs .

How many legs do 7 chairs have ?

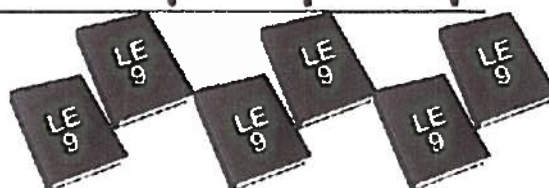
$\dots\dots \times \dots\dots = \dots\dots\dots$



- d** Each book costs LE 9 .

How much do 6 books costs ?

$\dots\dots \times \dots\dots = \dots\dots\dots$



LESSON 6

Multiplication Strategy

(Multiplying by 9)

(1) Finger Trick Strategy :

Example : 9×6

Step 1

Number your fingers from left hand to right hand (1-10.)



Step 2

Starting on the left . count until you get to the 6th finger



Step 3

Put that finger under.
This is the division between the tens and the ones now.



Step 4

Count how many are on the left in the tens, and how many are on the right of the down finger and these are the ones.



1 Use the finger trick strategy to find :



5×9



8×9



9×2

(2) List of equation strategy :

1 X 9	=	9	→	0 + 9 = 9
2 X 9	=	1 8	→	1 + 8 = 9
3 X 9	=	2 7	→	2 + 7 = 9
4 X 9	=	3 6	→	3 + 6 = 9
5 X 9	=	4 5	→	4 + 5 = 9
6 X 9	=	5 4	→	5 + 4 = 9
7 X 9	=	6 3	→	6 + 3 = 9
8 X 9	=	7 2	→	7 + 2 = 9
9 X 9	=	8 1	→	8 + 1 = 9
10 X 9	=	9 0	→	9 + 0 = 9

(3) 120 chart strategy :

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100
101	102	103	104	105	106	107	108	109	110
111	112	113	114	115	116	117	118	119	120

(4) Tens fact strategy :

Example

To find : 9×6 :

Draw a model of 10×6 then cross one group of 6:



$$9 \times 6 = (10 \times 6) - 6 = 54$$

2 Use the Ten fact strategy to find :

a 9×7

--	--	--	--	--	--	--	--	--	--

$$9 \times 7 = (10 \times 7) - 7 = \dots - \dots = \dots$$

b 9×5

--	--	--	--	--	--	--	--	--	--

$$9 \times 5 = (\dots \times \dots) - \dots = \dots - \dots = \dots$$

c 9×8

--	--	--	--	--	--	--	--	--	--

$$9 \times 8 = (\dots \times \dots) - \dots = \dots - \dots = \dots$$

d 9×3

--	--	--	--	--	--	--	--	--	--

$$9 \times 3 = (\dots \times \dots) - \dots = \dots - \dots = \dots$$


1 Complete:

$2 \times 2 = \dots\dots$

$3 \times 3 = \dots\dots$

$2 \times 6 = \dots\dots$

$4 \times 4 = \dots\dots$

$2 \times 9 = \dots\dots$

$4 \times 6 = \dots\dots$

$3 \times 9 = \dots\dots$

$4 \times 8 = \dots\dots$

$6 \times 6 = \dots\dots$

$5 \times 9 = \dots\dots$

$6 \times 9 = \dots\dots$

$7 \times 9 = \dots\dots$

$2 \times 3 = \dots\dots$

$2 \times 5 = \dots\dots$

$2 \times 7 = \dots\dots$

$2 \times 8 = \dots\dots$

$4 \times 5 = \dots\dots$

$3 \times 8 = \dots\dots$

$4 \times 7 = \dots\dots$

$5 \times 7 = \dots\dots$

$5 \times 8 = \dots\dots$

$6 \times 8 = \dots\dots$

$7 \times 8 = \dots\dots$

$8 \times 9 = \dots\dots$

$2 \times 4 = \dots\dots$

$3 \times 4 = \dots\dots$

$3 \times 5 = \dots\dots$

$3 \times 6 = \dots\dots$

$3 \times 7 = \dots\dots$

$5 \times 5 = \dots\dots$

$5 \times 6 = \dots\dots$

$4 \times 9 = \dots\dots$

$6 \times 7 = \dots\dots$

$7 \times 7 = \dots\dots$

$8 \times 8 = \dots\dots$

$9 \times 9 = \dots\dots$

$2 \times \dots\dots = 4$

$3 \times \dots\dots = 6$

$4 \times \dots\dots = 8$

$3 \times \dots\dots = 9$

$5 \times \dots\dots = 10$

$6 \times \dots\dots = 12$

$4 \times \dots\dots = 12$

$7 \times \dots\dots = 14$

$5 \times \dots\dots = 15$

$4 \times \dots\dots = 16$

$8 \times \dots\dots = 16$

$9 \times \dots\dots = 18$

$6 \times \dots\dots = 18$

$5 \times \dots\dots = 20$

$7 \times \dots\dots = 21$

$8 \times \dots\dots = 24$

$6 \times \dots\dots = 24$

$5 \times \dots\dots = 25$

$9 \times \dots\dots = 27$

$7 \times \dots\dots = 28$

$6 \times \dots\dots = 30$

$8 \times \dots\dots = 32$

$7 \times \dots\dots = 35$

$6 \times \dots\dots = 36$

$9 \times \dots\dots = 36$

$8 \times \dots\dots = 40$

$7 \times \dots\dots = 42$

$9 \times \dots\dots = 45$

$8 \times \dots\dots = 48$

$7 \times \dots\dots = 49$

$9 \times \dots\dots = 54$

$8 \times \dots\dots = 56$

$9 \times \dots\dots = 63$

$8 \times \dots\dots = 64$


$9 \times \dots\dots = 72$

$9 \times \dots\dots = 81$


2 Complete:

$\begin{array}{r} 2 \\ \times 2 \\ \hline \end{array}$	$\begin{array}{r} 2 \\ \times 6 \\ \hline \end{array}$	$\begin{array}{r} 2 \\ \times 9 \\ \hline \end{array}$	$\begin{array}{r} 3 \\ \times 9 \\ \hline \end{array}$	$\begin{array}{r} 6 \\ \times 6 \\ \hline \end{array}$	$\begin{array}{r} 9 \\ \times 6 \\ \hline \end{array}$
$\begin{array}{r} 2 \\ \times 3 \\ \hline \end{array}$	$\begin{array}{r} 2 \\ \times 7 \\ \hline \end{array}$	$\begin{array}{r} 4 \\ \times 5 \\ \hline \end{array}$	$\begin{array}{r} 4 \\ \times 7 \\ \hline \end{array}$	$\begin{array}{r} 5 \\ \times 8 \\ \hline \end{array}$	$\begin{array}{r} 7 \\ \times 8 \\ \hline \end{array}$
$\begin{array}{r} 2 \\ \times 4 \\ \hline \end{array}$	$\begin{array}{r} 3 \\ \times 5 \\ \hline \end{array}$	$\begin{array}{r} 3 \\ \times 7 \\ \hline \end{array}$	$\begin{array}{r} 5 \\ \times 6 \\ \hline \end{array}$	$\begin{array}{r} 7 \\ \times 6 \\ \hline \end{array}$	$\begin{array}{r} 9 \\ \times 7 \\ \hline \end{array}$
$\begin{array}{r} 3 \\ \times 3 \\ \hline \end{array}$	$\begin{array}{r} 4 \\ \times 4 \\ \hline \end{array}$	$\begin{array}{r} 4 \\ \times 6 \\ \hline \end{array}$	$\begin{array}{r} 4 \\ \times 8 \\ \hline \end{array}$	$\begin{array}{r} 5 \\ \times 9 \\ \hline \end{array}$	$\begin{array}{r} 8 \\ \times 8 \\ \hline \end{array}$
$\begin{array}{r} 2 \\ \times 5 \\ \hline \end{array}$	$\begin{array}{r} 2 \\ \times 8 \\ \hline \end{array}$	$\begin{array}{r} 6 \\ \times 8 \\ \hline \end{array}$	$\begin{array}{r} 5 \\ \times 7 \\ \hline \end{array}$	$\begin{array}{r} 6 \\ \times 8 \\ \hline \end{array}$	$\begin{array}{r} 9 \\ \times 8 \\ \hline \end{array}$
$\begin{array}{r} 3 \\ \times 4 \\ \hline \end{array}$	$\begin{array}{r} 3 \\ \times 6 \\ \hline \end{array}$	$\begin{array}{r} 5 \\ \times 5 \\ \hline \end{array}$	$\begin{array}{r} 9 \\ \times 4 \\ \hline \end{array}$	$\begin{array}{r} 7 \\ \times 7 \\ \hline \end{array}$	$\begin{array}{r} 9 \\ \times 9 \\ \hline \end{array}$
$\begin{array}{r} 9 \\ \times \dots \\ \hline 81 \end{array}$	$\begin{array}{r} 6 \\ \times \dots \\ \hline 36 \end{array}$	$\begin{array}{r} 8 \\ \times \dots \\ \hline 56 \end{array}$	$\begin{array}{r} 7 \\ \times \dots \\ \hline 35 \end{array}$	$\begin{array}{r} 6 \\ \times \dots \\ \hline 36 \end{array}$	$\begin{array}{r} 4 \\ \times \dots \\ \hline 16 \end{array}$
$\begin{array}{r} 8 \\ \times \dots \\ \hline 64 \end{array}$	$\begin{array}{r} 7 \\ \times \dots \\ \hline 49 \end{array}$	$\begin{array}{r} 9 \\ \times \dots \\ \hline 54 \end{array}$	$\begin{array}{r} 8 \\ \times \dots \\ \hline 32 \end{array}$	$\begin{array}{r} 8 \\ \times \dots \\ \hline 48 \end{array}$	$\begin{array}{r} 5 \\ \times \dots \\ \hline 25 \end{array}$


3 Use the finger trick strategy to find :




2 X 9




4 X 9




9 X 6




8 X 9




3 X 9




9 X 5




7 X 9



9 X 9



9 X 1



10 X 9

4 Use the Ten fact strategy to find :

a $9 \times 2 =$

--	--	--	--	--	--	--	--	--	--

$9 \times 2 = (\dots\dots \times \dots\dots) - \dots\dots = \dots\dots - \dots\dots = \dots\dots$

b $9 \times 4 =$

--	--	--	--	--	--	--	--	--	--

$9 \times 4 = (\dots\dots \times \dots\dots) - \dots\dots = \dots\dots - \dots\dots = \dots\dots$

c $9 \times 6 =$

--	--	--	--	--	--	--	--	--	--

$9 \times 6 = (\dots\dots \times \dots\dots) - \dots\dots = \dots\dots - \dots\dots = \dots\dots$

d $9 \times 8 =$

--	--	--	--	--	--	--	--	--	--

$9 \times 8 = (\dots\dots \times \dots\dots) - \dots\dots = \dots\dots - \dots\dots = \dots\dots$

e $9 \times 1 =$

--	--	--	--	--	--	--	--	--	--

$9 \times 1 = (\dots\dots \times \dots\dots) - \dots\dots = \dots\dots - \dots\dots = \dots\dots$

f $9 \times 3 =$

--	--	--	--	--	--	--	--	--	--

$9 \times 3 = (\dots\dots \times \dots\dots) - \dots\dots = \dots\dots - \dots\dots = \dots\dots$

g $9 \times 5 =$

--	--	--	--	--	--	--	--	--	--

$9 \times 5 = (\dots\dots \times \dots\dots) - \dots\dots = \dots\dots - \dots\dots = \dots\dots$

h $9 \times 7 =$

--	--	--	--	--	--	--	--	--	--

$9 \times 7 = (\dots\dots \times \dots\dots) - \dots\dots = \dots\dots - \dots\dots = \dots\dots$

i $9 \times 9 =$

--	--	--	--	--	--	--	--	--	--

$9 \times 9 = (\dots\dots \times \dots\dots) - \dots\dots = \dots\dots - \dots\dots = \dots\dots$

5 Choose the correct answer :

- a** $5 + 5 + 5 + 5 + 5 + 5 = \dots\dots$ (5×5 or 3×10 or 6×6)
- b** $8 \times 3 = \dots\dots$ (6×4 or $3 + 3 + 3$ or 4×4)
- c** $10 + 10 + 10 + 10 = \dots\dots$ (5×4 or 10×10 or 5×8)
- d** $9 + 9 + 9 + 9 = \dots\dots$ (9×9 or 3×6 or 6×6)
- e** $6 + 6 + 6 + 6 = \dots\dots$ (6×4 or $6 + 4$ or $6 + 6$)
- f** $9 \times 7 = (10 \times \dots\dots) - 7$ (10 or 9 or 7)
- g** $6 \times 3 = \dots\dots$ ($3 + 3 + 3$ or $6 + 6 + 6 + 6$ or $9 + 9$)
- h** $4 + 4 + 4 + 4 = \dots\dots$ (8×2 or $4 + 4$ or 4×4)

6 Complete :

- a** $8 \times 3 = \dots\dots + \dots\dots + \dots\dots = \dots\dots$
- b** $6 \times 6 = \dots\dots + \dots\dots + \dots\dots + \dots\dots + \dots\dots + \dots\dots = \dots\dots$
- c** $5 \times 4 = \dots\dots + \dots\dots = \dots\dots$
- d** $6 \times 3 = 2 \times \dots\dots = \dots\dots$
- e** $3 \times 4 = 2 \times \dots\dots = \dots\dots$
- f** $4 \times 4 = 2 \times \dots\dots = \dots\dots$
- g** $3 \times 8 = 4 \times \dots\dots = \dots\dots$
- h** $8 + 8 + 8 + 8 = 4 \times \dots\dots = \dots\dots$
- i** $6 + 6 + 6 + 6 + 6 = 5 \times \dots\dots = \dots\dots$
- j** $9 \times \dots\dots = (10 \times 8) - 8 = \dots\dots$
- k** $9 \times 6 = (\dots\dots \times \dots\dots) - 6 = \dots\dots$

First Choose the correct answer

- a $9 \times \dots = (10 \times 7) - 7$ (6 or 7 or 8)
- b $8 + 8 + 8 + 8 + 8 = \dots$ (8×8 or $8 + 5$ or 4×10)
- c $450 + 45 = \dots$ (45 045 or 495 or 4 545)
- d $750\,000 + 15\,000 + 40 = \dots$ (751 540 or 765 040 or 750 190)
- e 200 thousands = ... tens (200 000 or 20 000 or 2 000)

Second Complete the following

- a The number that comes right before 20 000 is
- b The value of the digit 0 in the number 23 054 is
- c $(10 \times 6) - 6 = \dots \times 6$
- d $8 + 8 + 8 + 8 + 8 + 8 = \dots \times \dots$
- e Nine hundred thousand and nine (Standard form) =

Third Answer the following

- a Find the result of the following :

(1) $4\,567$

$+ 133$

.....

(2) 598

$- 527$

.....

(3) 709

$- 79$

.....

- b Complete using : ($<$, $=$ or $>$) :

(1) $5 + 5 + 5 + 5$ 5×5 (2) $4 + 4 + 4$ 2×6

(3) 8×5 $8 + 5$ (4) 9×3 3×9

- c Each pen costs LE 6 ,
How much do 8 pens cost ?

..... \times =



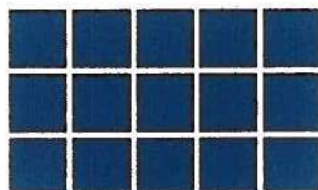
Commutative Property :

3 rows

5 squares in each row

Total number of squares

$3 \times 5 = 15$



5 rows

3 squares in each row

Total number of squares

$5 \times 3 = 15$



So, $3 \times 5 = 5 \times 3$ (Commutative property)

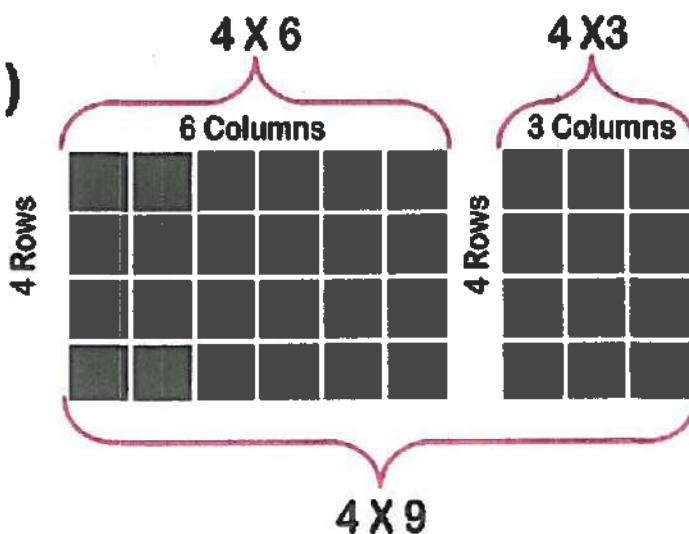
Distributive Property :

$(4 \times 6) + (4 \times 3)$

$= 4 \times (6 + 3)$

$= 4 \times 9$

$= 36$



1 Complete the following :

a $5 \times 8 = 8 \times \dots\dots$

d $\dots\dots \times 7 = 7 \times 4$

b $7 \times 3 = 3 \times \dots\dots$

e $\dots\dots \times 6 = 6 \times 9$

c $5 \times \dots\dots = 7 \times 5$

f $3 \times \dots\dots = 8 \times \dots\dots$

g $(5 \times 3) + (5 \times 7) = \dots\dots \times \dots\dots = \dots\dots$

h $(8 \times 4) + (8 \times 2) = \dots\dots \times \dots\dots = \dots\dots$

i $(2 \times 6) + (2 \times 3) = \dots\dots \times \dots\dots = \dots\dots$

j $(\dots\dots \times 3) + (\dots\dots \times 4) = 8 \times 7 = \dots\dots$

k $(7 \times \dots\dots) + (7 \times 5) = \dots\dots \times 9 = \dots\dots$

l $5 \times 9 = (5 \times 4) + (\dots\dots \times \dots\dots)$

2 Complete the following :(As in the example)

Example

80

56

$8 \times 17 = 8 \times (10 + 7) = 8 \times 10 + 8 \times 7 = 136$

a $7 \times 13 = \dots\dots\dots$

b $8 \times 15 = \dots\dots\dots$

c $9 \times 13 = \dots\dots\dots$

d $7 \times 12 = \dots\dots\dots$



1 Complete the following :

- a $7 \times 8 = 8 \times \dots\dots\dots$ d $\dots\dots\dots \times 7 = 7 \times 4$
 b $8 \times 5 = 5 \times \dots\dots\dots$ e $\dots\dots\dots \times 6 = 6 \times 9$
 c $8 \times \dots\dots\dots = 7 \times 8$ f $7 \times \dots\dots\dots = 8 \times \dots\dots\dots$
 g $(8 \times 4) + (8 \times 2) = \dots\dots\dots \times \dots\dots\dots = \dots\dots\dots$
 h $(7 \times 6) + (7 \times 3) = \dots\dots\dots \times \dots\dots\dots = \dots\dots\dots$
 i $(9 \times 3) + (9 \times 3) = \dots\dots\dots \times \dots\dots\dots = \dots\dots\dots$
 j $(\dots\dots\dots \times 4) + (\dots\dots\dots \times 4) = 8 \times 8 = \dots\dots\dots$
 k $(3 \times \dots\dots\dots) + (3 \times 5) = \dots\dots\dots \times 9 = \dots\dots\dots$
 l $2 \times 9 = (2 \times 4) + (\dots\dots\dots \times \dots\dots\dots)$

2 Complete the following :(As in the example)

Example

$$8 \times 17 = 8 \times (10 + 7) = \boxed{80} + \boxed{56} = 136$$

- a $7 \times 13 = \dots\dots\dots$
 b $4 \times 12 = \dots\dots\dots$
 c $9 \times 13 = \dots\dots\dots$
 d $8 \times 15 = \dots\dots\dots$

3 Complete :

a Number of rows =

b Number of squares in each row =

c Total number of squares =

d Number of rows =

e Number of squares in each row =

f Total number of squares =



g So, X = X

4 Complete :

a Number of Columns =

b Number of squares in each Columns =

c Total number of squares =

d Number of Columns =

e Number of squares in each Columns =

f Total number of squares =



g So, X = X

5 Complete :

a Number of Columns =

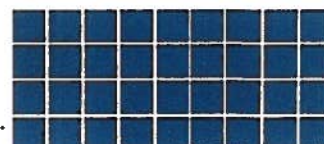
b Number of squares in each Columns =

c Total number of squares =

d Number of Columns =

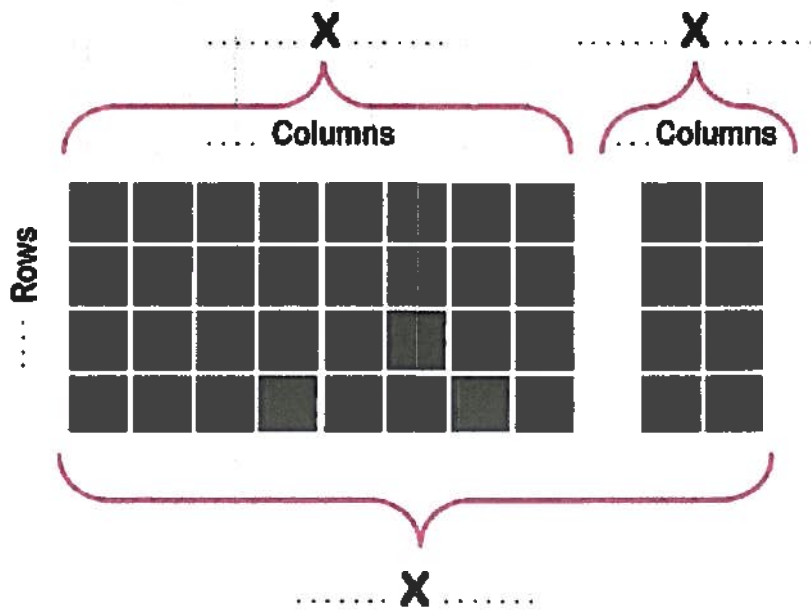
e Number of squares in each Columns =

f Total number of squares =

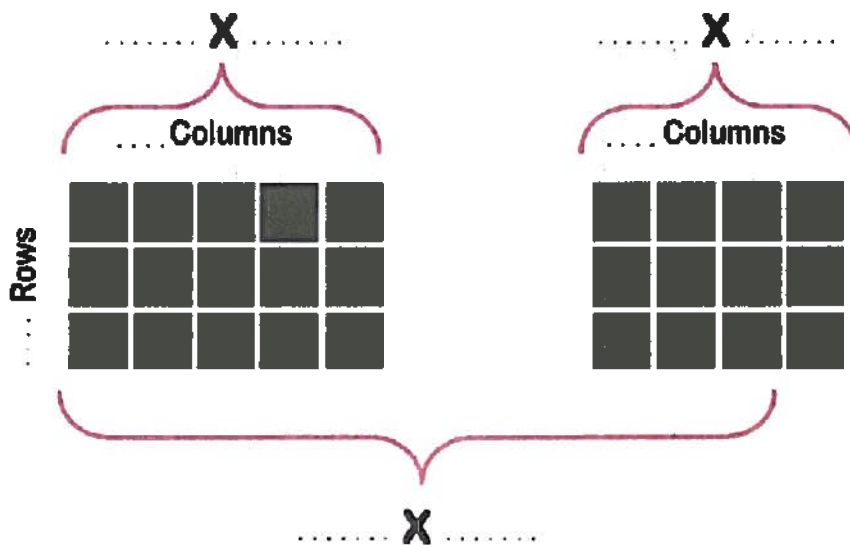


g So, X = X

6 Complete :



a **X** = (..... **X**) + (..... **X**) =




b **X** = (..... **X**) + (..... **X**) =

First Choose the correct answer

- a Nineteen thousand , nine hundred and nine =
(19 909 or 90 909 or 19 990)
- b $500 + 0 + 0 + 5 = \dots\dots\dots$ (500 005 or 5005 or 505)
- c $7 + 7 + 7 + 7 + 7 = \dots\dots\dots$ (7×7 or 7×5 or $7 + 5$)
- d $8 \times 2 = \dots\dots\dots$ ($2 + 2$ or $4 + 4 + 4 + 4$ or 8×8)
- e The value of the digit 8 in the number 308 964 is
(800 000 or 80 000 or 8 000)

Second Complete the following

- a  , ,
- b $6 \times 9 = (\dots\dots \times 5) + (\dots\dots \times \dots\dots)$
- c $7 \times 6 = \dots\dots \times 7$
- d The number comes right after 56 999
- e 700 thousands + 2 hundreds + 108 tens =

Third Answer the following

- a Arrange the following numbers in an ascending order .

75 050 , 75 005 , 75 500 , 75 505 , 75 055

..... , , , ,

- b Number of Columns =

Number of squares in each Columns =

Total number of squares = \times =



- c Number of rows =

Number of squares in each row =

Total number of squares = \times =



Multiplication by the multiples of ten

1 USE THE 120 CHART

Color the multiples of 10 :

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100
101	102	103	104	105	106	107	108	109	110
111	112	113	114	115	116	117	118	119	120

a List the multiples of 10 up to 120 :

..... , , , , ,

..... , , , , ,

b List the common multiples of 10 and 5 up to 120 :

..... , , , , ,

..... , , , , ,

c List the common multiples of 4 , 5 and 10 up to 120 :

.....

.....

$4 \times 10 = 40$

$125 \times 10 = 1250$

$44 \times 10 = 440$

$100 \times 10 = 1\,000$

EXAMPLES

$$4 \times 30 = 4 \times 3 \times 10 = 12 \times 10 = 120$$

$30 = 3 \times 10$
 $4 \times 3 = 12$

$$7 \times 90 = 7 \times 9 \times 10 = 63 \times 10 = 630$$

$90 = 9 \times 10$
 $7 \times 9 = 63$

Complete the following :

a $7 \times 10 = \dots\dots$

c $12 \times 10 = \dots\dots$

e $6 \times \dots\dots = 60$

g $65 \times \dots\dots = 650$

i $5 \times 60 = \dots\dots \times \dots\dots \times \dots\dots = \dots\dots \times \dots\dots = \dots\dots$

j $4 \times 80 = \dots\dots \times \dots\dots \times \dots\dots = \dots\dots \times \dots\dots = \dots\dots$

k $\dots\dots \times \dots\dots = 5 \times 8 \times 10 = \dots\dots \times \dots\dots = \dots\dots$

l $\dots\dots \times \dots\dots = 9 \times 3 \times 10 = \dots\dots \times \dots\dots = \dots\dots$

m $\dots\dots \times \dots\dots = 7 \times \dots\dots \times \dots\dots = 35 \times 10 = \dots\dots$

n $\dots\dots \times \dots\dots = \dots\dots \times 9 \times \dots\dots = 36 \times 10 = \dots\dots$

b $9 \times 10 = \dots\dots$

d $52 \times 10 = \dots\dots$

f $8 \times \dots\dots = 80$

h $47 \times \dots\dots = 470$



1 Complete :

1 X 10 =	9 X = 90 X 10 = 50
3 X 10 =	7 X = 70	..... X 10 = 30
5 X 10 =	5 X = 50	..... X 10 = 70
7 X 10 =	3 X = 30	..... X 10 = 20
9 X 10 =	1 X = 10	..... X 10 = 90
0 X 10 =	0 X = 0	..... X 10 = 10
2 X 10 =	2 X = 20	..... X 10 = 60
4 X 10 =	4 X = 40	..... X 10 = 40
6 X 10 =	6 X = 60	..... X 10 = 80
8 X 10 =	8 X = 80	..... X 10 = 0
10 X 10 =	10 X = 100	..... X 10 = 100

2 Answer the following :

- List all the multiples of 10 up to 120 :
.....
.....
- List the common multiples of 5 and 10 up to 100 :
.....
.....
- List the common multiples of 2 , 3 and 10 up to 100 :
.....
.....
- List the common multiples of 4 , 5 and 10 up to 100 :
.....
.....
- List the common multiples of 5 , 6 and 10 up to 100 :
.....
.....

3 Complete the following :

a $6 \times 10 = \dots\dots$

c $52 \times 10 = \dots\dots$

e $16 \times 10 = \dots\dots$

g $7 \times \dots\dots = 70$

i $4 \times \dots\dots = 40$

k $86 \times \dots\dots = 860$

m $55 \times \dots\dots = 550$

b $8 \times 10 = \dots\dots$

d $22 \times 10 = \dots\dots$

f $82 \times 10 = \dots\dots$

h $4 \times \dots\dots = 40$

j $10 \times \dots\dots = 100$

l $27 \times \dots\dots = 270$

n $74 \times \dots\dots = 740$

4 Complete the following :

a $8 \times 50 = \dots\dots \times \dots\dots \times \dots\dots = \dots\dots \times \dots\dots = \dots\dots$

b $5 \times 40 = \dots\dots \times \dots\dots \times \dots\dots = \dots\dots \times \dots\dots = \dots\dots$

c $9 \times 80 = \dots\dots \times \dots\dots \times \dots\dots = \dots\dots \times \dots\dots = \dots\dots$

d $\dots\dots \times \dots\dots = 5 \times 9 \times 10 = \dots\dots \times \dots\dots = \dots\dots$

e $\dots\dots \times \dots\dots = 8 \times 8 \times 10 = \dots\dots \times \dots\dots = \dots\dots$

f $\dots\dots \times \dots\dots = 6 \times 3 \times 10 = \dots\dots \times \dots\dots = \dots\dots$

g $\dots\dots \times \dots\dots = 5 \times \dots\dots \times \dots\dots = 35 \times 10 = \dots\dots$

h $\dots\dots \times \dots\dots = 6 \times \dots\dots \times \dots\dots = 54 \times 10 = \dots\dots$

i $\dots\dots \times \dots\dots = \dots\dots \times 7 \times \dots\dots = 49 \times 10 = \dots\dots$

5 Choose the correct answer :

- a** $5 \times 6 \times 10 = \dots \times 10$ (300 or 30 or 3)
- b** $7 \times 4 \times 10 = \dots \times 10$ (280 or 4 or 28)
- c** $\dots \times 9 \times 10 = 36 \times 10$ (4 or 36 or 360)
- d** $28 \times 10 = 4 \times \dots \times 10$ (7 or 280 or 40)
- e** $35 \times 10 = 5 \times \dots \times 10$ (70 or 350 or 7)
- f** $36 \times 10 = \dots \times 6 \times 10$ (3 or 6 or 36)
- g** $5 \times 8 = \dots \times 5$ (40 or 5 or 8)
- h** $9 \times \dots = 6 \times 9$ (6 or 9 or 54)
- i** $8 \times 6 = 6 \times \dots$ (8 or 6 or 48)
- j** $5 + 5 + 5 + 5 = 2 \times \dots$ (5 or 10 or 4 + 5)
- k** $6 + 6 + 6 = \dots$ (6 + 3 or 6 X 6 or 9 X 2)
- l** $6 + 6 + 6 + 6 + 6 = \dots$ (6 X 6 or 3 X 10 or 6 + 5)

6 Match :

2 X 60
8 X 50
3 X 60
6 X 60
4 X 40
4 X 50
3 X 80

40 X 10
20 X 9
3 X 40
2 X 80
4 X 60
40 X 9
2 X 100

First Choose the correct answer

- a** The value of the digit 9 in the number 89 123 is
 (90 000 or 9 000 or 900)
- b** $25\ 025 = 25 + \dots$ (25 or 250 or 25 000)
- c** $4 + 4 + 4 + 4 = \dots$ ($4 + 4$ or $8 + 2$ or 8×2)
- d** $6 \times 6 = \dots$ ($6 + 6 + 6 + 6$ or 6×2 or 9×4)
- e** The smallest number formed from (6 , 7 , 2 , 0 , 5) is
 (20 567 or 76 520 or 25 670)

Second Complete the following

- a** 750 thousands + 100 hundreds =
- b** $7 \times 14 = 7 \times \dots + 7 \times \dots = \dots$
- c** $6 \times 70 = \dots \times \dots \times \dots = \dots$
- d** Twenty thousand and twenty (In standard form) :
- e** 80 , 72 , 64 , 56 , , ,

Third Answer the following

- a** Find the result :

(1) $7\ 058 + 950 = \dots$ (2) $8\ 005 - 450 = \dots$

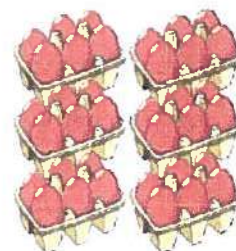
- b** Arrange the following numbers in a descending order .

10 005 , 1 005 , 1 050 , 15 000 , 1 500

..... , , , ,

- c** Ahmed went to the store 6 times last month.
 He buys 6 eggs each time he goes to the store.
 How many eggs did Ahmed buy last month?

..... \times =



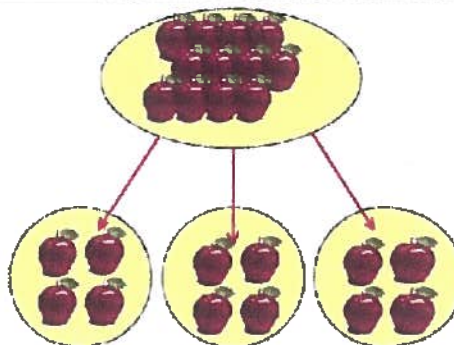
LESSON 9

Division

Example

There are **12** apples that need to be divided equally between **3** baskets.

Draw a part - part - whole model to show the answer:



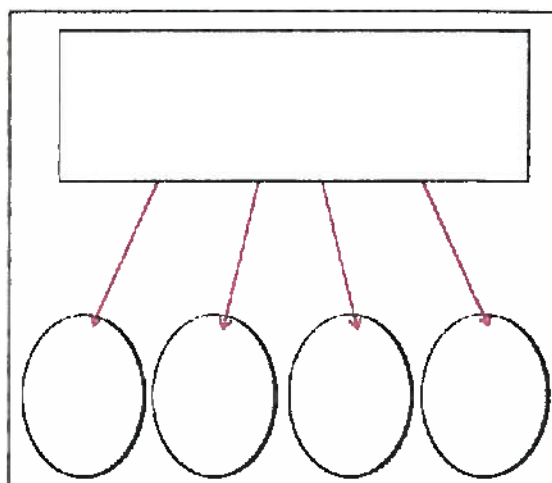
$$12 \div 3 = 4$$

Dividend Divided by Divisor Quotient

- 1** There are 16 fish that need to be placed equally in 4 bowls. How many fish should be put into each bowl?

Draw a part-part-whole model to show your answer.

$$\dots \div \dots = \dots$$

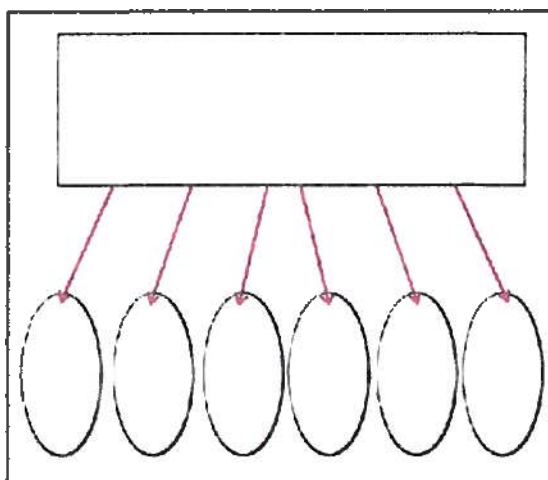


- 2** The teacher has 36 crayons to share equally between 6 students.

What is the share of each?

Draw a part-part-whole model to show your answer.

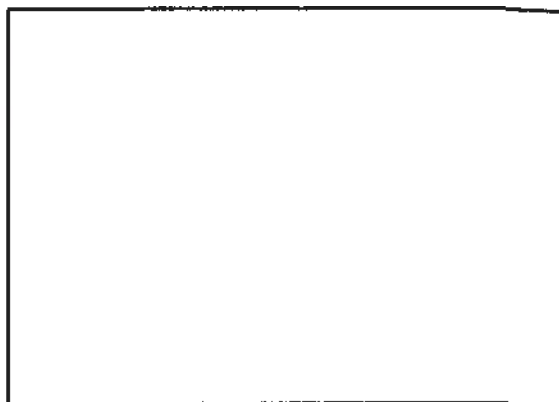
$$\dots \div \dots = \dots$$



- 3** Each cat needs 3 fish for lunch.
How many cats can we feed
with 12 fish ?

Draw a part-part-whole model
to show your answer .

..... ÷ =



Multiplication & Division Fact Families

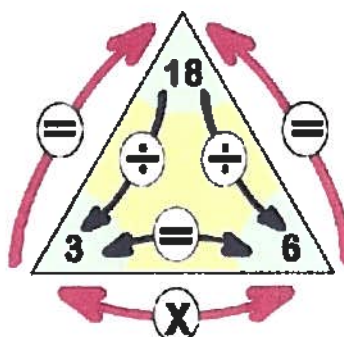
Example

$$3 \times 6 = 18$$

$$6 \times 3 = 18$$

$$18 \div 3 = 6$$

$$18 \div 6 = 3$$



- 4** Find the missing factor in the triangles , then write the four
equations to complete the fact family:

a

..... \times =

..... \times =

..... \div =

..... \div =

b

..... \times =

..... \times =

..... \div =

..... \div =

c

..... \times =

..... \times =

..... \div =

..... \div =

$$14 \div 2 = 7$$

$$2 \overline{)14} = 7$$

$$\frac{14}{2} = 7$$

5 Complete the following :

$$16 \div 4 = \dots\dots$$

$$3 \overline{)15} = \dots\dots$$

$$\frac{14}{2} = \dots\dots$$

$$15 \div 3 = \dots\dots$$

$$7 \overline{)21} = \dots\dots$$

$$\frac{18}{9} = \dots\dots$$

$$12 \div 3 = \dots\dots$$

$$6 \overline{)12} = \dots\dots$$

$$\frac{63}{7} = \dots\dots$$

$$\dots\dots \div 4 = 6$$

$$5 \overline{) \quad 7 \quad} = \dots\dots$$

$$\frac{\dots\dots}{9} = 8$$

$$\dots\dots \div 6 = 8$$

$$2 \overline{) \quad 6 \quad} = \dots\dots$$

$$\frac{\dots\dots}{7} = 8$$

$$36 \div \dots\dots = 6$$

$$\dots\dots \overline{)30} = 5$$

$$\frac{14}{\dots\dots} = 7$$

$$72 \div \dots\dots = 8$$

$$\dots\dots \overline{)40} = 8$$

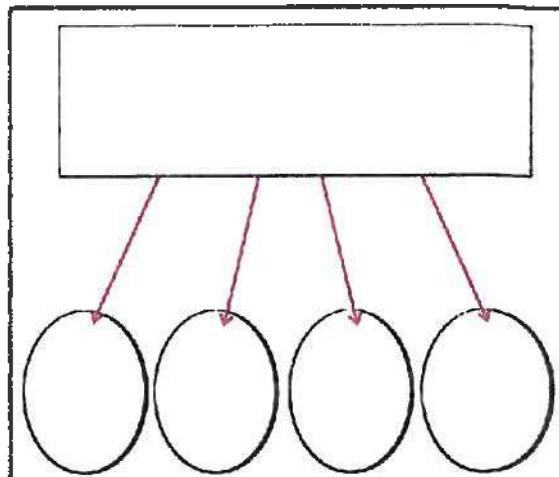
$$\frac{54}{\dots\dots} = 9$$

Answer the following :

- a** There are 20 fish tht need to be plased equally in 4 bowls. How many fish should be put into each bowl ?

Draw a part-part-whole model to show your answer .

$$\dots \div \dots = \dots$$

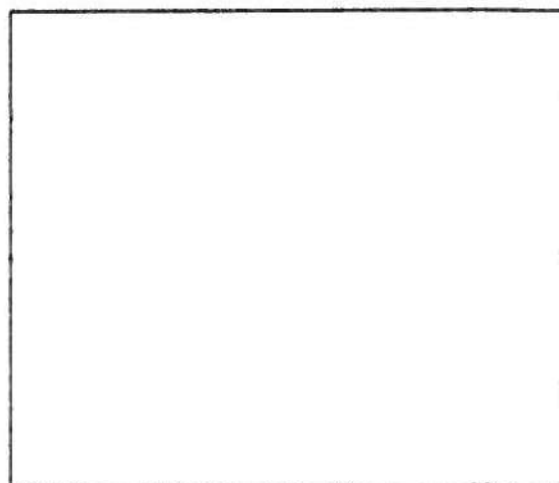


- b** The teacher has 18 crayons to share equally between 6 students.

What is the share of each ?

Draw a part-part-whole model to show your answer .

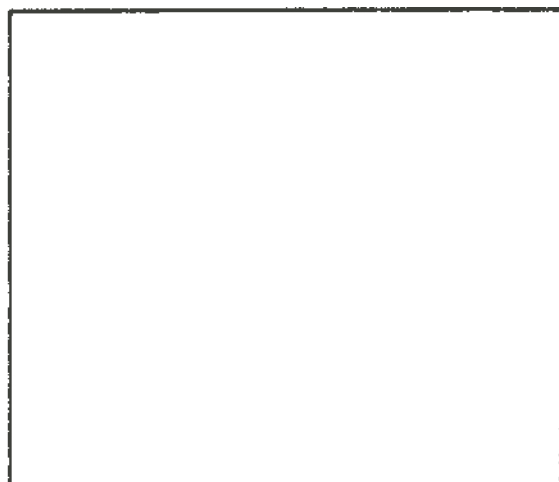
$$\dots \div \dots = \dots$$



- c** Salah has 20 oranges that need to be divid equally between 5 baskets.

Draw a part-part-whole model to show your answer .

$$\dots \div \dots = \dots$$



- d** Eman is inviting 3 friends to a party. He has 12 cookies. How many cookies will each friend get?

Draw a part-part-whole model to show your answer .

$$\dots\dots\dots \div \dots\dots\dots = \dots\dots\dots$$

- e** Judy has 20 pencils stored in boxes. If there are 5 boxes, How many pencils must go in each box?

Draw a part-part-whole model to show your answer .

$$\dots\dots\dots \div \dots\dots\dots = \dots\dots\dots$$

- f** There are 6 students in the class and 30 peanuts. If the peanuts are divided equally among the students, How many does each student get?

Draw a part-part-whole model to show your answer .

$$\dots\dots\dots \div \dots\dots\dots = \dots\dots\dots$$

- g** Each jackal must eat 6 insects.
There are 24 insects .
How many jackal can be fed?

Draw a part-part-whole model to show your answer .

$$\dots \div \dots = \dots$$

- h** Each crocodile wants to eat 5 fish .
There are 25 fish.
How many crocodiles can be fed ?

Draw a part-part-whole model to show your answer .

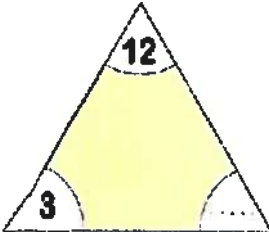
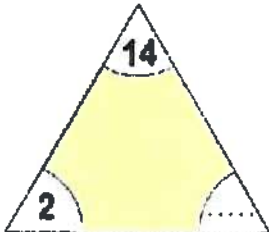
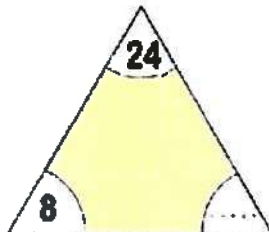
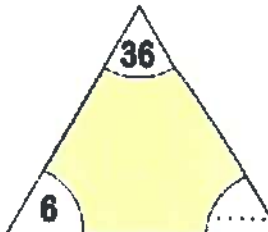
$$\dots \div \dots = \dots$$

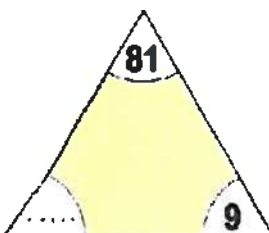
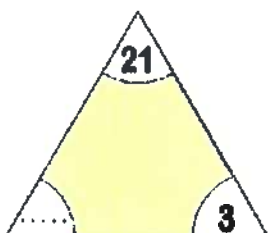
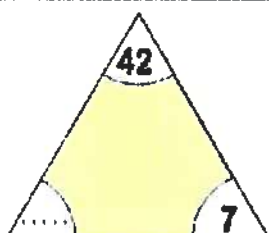
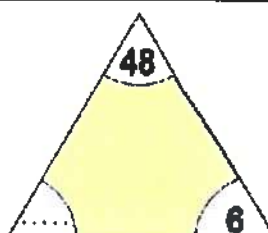
- i** Each bull eats 2 bales of hay each day .
There are 100 bales.
How many bulls can be fed ?

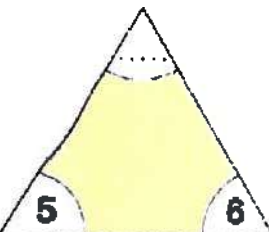
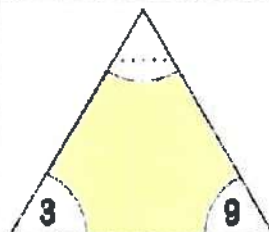
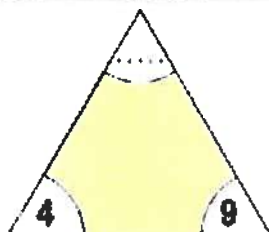
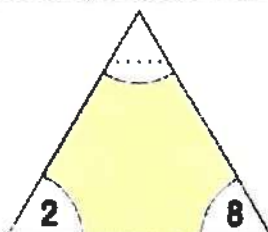
Draw a part-part-whole model to show your answer .

$$\dots \div \dots = \dots$$

2 Find the missing factor in the triangles, then write the four equations to complete the fact family:

 <p> $\times =$ $\times =$ $\div =$ $\div =$ </p>	 <p> $\times =$ $\times =$ $\div =$ $\div =$ </p>	 <p> $\times =$ $\times =$ $\div =$ $\div =$ </p>	 <p> $\times =$ $\times =$ $\div =$ $\div =$ </p>
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 <p> $\times =$ $\times =$ $\div =$ $\div =$ </p>	 <p> $\times =$ $\times =$ $\div =$ $\div =$ </p>	 <p> $\times =$ $\times =$ $\div =$ $\div =$ </p>	 <p> $\times =$ $\times =$ $\div =$ $\div =$ </p>
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 <p> $\times =$ $\times =$ $\div =$ $\div =$ </p>	 <p> $\times =$ $\times =$ $\div =$ $\div =$ </p>	 <p> $\times =$ $\times =$ $\div =$ $\div =$ </p>	 <p> $\times =$ $\times =$ $\div =$ $\div =$ </p>
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3 Complete the following:

$25 \div 5 = \dots\dots$

$15 \div 5 = \dots\dots$

$30 \div 5 = \dots\dots$

$36 \div 6 = \dots\dots$

$45 \div 5 = \dots\dots$

$72 \div 8 = \dots\dots$

$18 \div 9 = \dots\dots$

$16 \div 4 = \dots\dots$

$20 \div 5 = \dots\dots$

$21 \div 7 = \dots\dots$

$2 \overline{) 8}$

$3 \overline{) 6}$

$5 \overline{) 10}$

$4 \overline{) 12}$

$4 \overline{) 16}$

$6 \overline{) 24}$

$3 \overline{) 24}$

$4 \overline{) 28}$

$3 \overline{) 27}$

$6 \overline{) 30}$

$\frac{40}{5} = \dots\dots$

$\frac{42}{6} = \dots\dots$

$\frac{45}{5} = \dots\dots$

$\frac{48}{8} = \dots\dots$

$\frac{56}{7} = \dots\dots$

$\frac{54}{9} = \dots\dots$

$\frac{63}{7} = \dots\dots$

$\frac{64}{8} = \dots\dots$

$\frac{72}{8} = \dots\dots$

$\frac{81}{9} = \dots\dots$

4 Complete the following :

$$\dots \div 2 = 2$$

$$\dots \div 3 = 3$$

$$\dots \div 4 = 2$$

$$\dots \div 6 = 2$$

$$\dots \div 8 = 2$$

$$32 \div \dots = 8$$

$$35 \div \dots = 5$$

$$40 \div \dots = 5$$

$$36 \div \dots = 6$$

$$42 \div \dots = 7$$

$$2 \overline{) \begin{array}{r} 3 \\ \dots \end{array}}$$

$$3 \overline{) \begin{array}{r} 4 \\ \dots \end{array}}$$

$$4 \overline{) \begin{array}{r} 5 \\ \dots \end{array}}$$

$$5 \overline{) \begin{array}{r} 3 \\ \dots \end{array}}$$

$$6 \overline{) \begin{array}{r} 3 \\ \dots \end{array}}$$

$$\dots \overline{) \begin{array}{r} 9 \\ 36 \end{array}}$$

$$\dots \overline{) \begin{array}{r} 5 \\ 45 \end{array}}$$

$$\dots \overline{) \begin{array}{r} 6 \\ 48 \end{array}}$$

$$\dots \overline{) \begin{array}{r} 6 \\ 54 \end{array}}$$

$$\dots \overline{) \begin{array}{r} 7 \\ 63 \end{array}}$$

$$\frac{\dots}{6} = 4$$

$$\frac{\dots}{5} = 5$$

$$\frac{\dots}{4} = 8$$

$$\frac{\dots}{3} = 7$$

$$\frac{\dots}{2} = 9$$

$$\frac{72}{\dots} = 9$$

$$\frac{81}{\dots} = 9$$

$$\frac{64}{\dots} = 8$$

$$\frac{14}{\dots} = 7$$

$$\frac{49}{\dots} = 7$$

First Choose the correct answer

- a** The number that comes right before 20 500 is
(20 499 or 20 501 or 10 500)
- b** $28 \div \dots = 7$ (3 or 4 or 5)
- c** $9 \times 50 = \dots \times 10$ (95 or 90 or 45)
- d** $8 + 8 + 8 = \dots$ ($8 + 3$ or $6 + 4$ or 6×4)
- e** Eighteen thousand, eight hundred and eight =
(18 808 or 80 808 or 18 880)

Second Complete the following

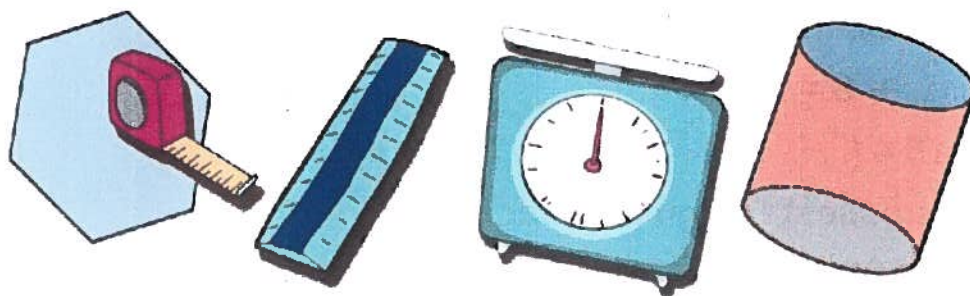
- a** 25 thousand + 105 tens =
- b** $\dots \div 8 = 7$
- c** $6 \times 15 = (\dots \times \dots) + (\dots \times \dots) = \dots$
- d** The smallest 6-digit number is
- e** $3 \times 3 = 36 \div \dots$

Third Answer the following

- a** Find the result :
- (1) $789 + 125 = \dots$ (3) $45 \div 5 = \dots$
- (2) $500 - 247 = \dots$ (4) $63 \div 9 = \dots$
- b** Complete using $<$, $=$ or $>$:
- (1) 6×6 $4 + 9$ (3) $18 \div 2$ $48 \div 6$
- (2) $4 + 4 + 4 + 4$ 2×8 (4) $8 \div 8$ 1×8
- c** The price of each book is 8 pounds.
How many books can you buy if you have 40 pounds?
-

CHAPTER

FOUR



GEOMETRY AND MEASUREMENT

LESSON 1

Time

a half $\frac{1}{2}$ a third $\frac{1}{3}$ a quarter $\frac{1}{4}$

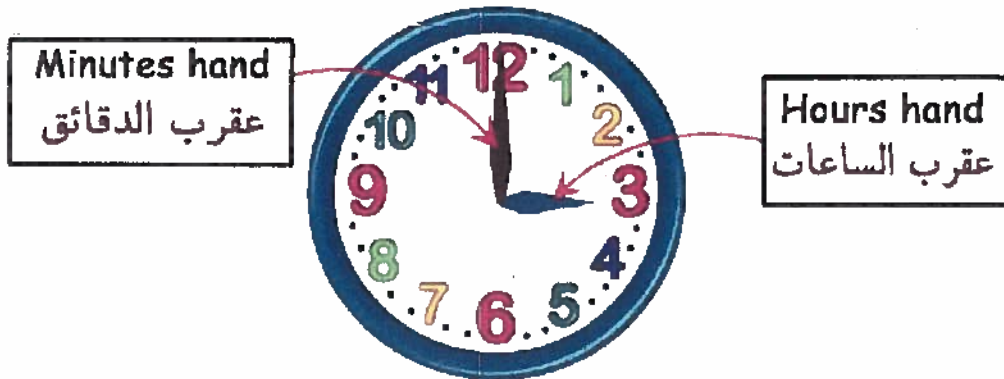
DAY $\xrightarrow{24}$ HOUR $\xrightarrow{60}$ MINUTE

1 day = 24 hours $\frac{1}{2}$ day = 12 hours $\frac{1}{3}$ day = 8 hours $\frac{1}{4}$ day = 6 hours**1 hour = 60 minutes** $\frac{1}{2}$ hour = 30 minutes $\frac{1}{3}$ hour = 20 minutes $\frac{1}{4}$ hour = 15 minutes**1 Complete the following :**

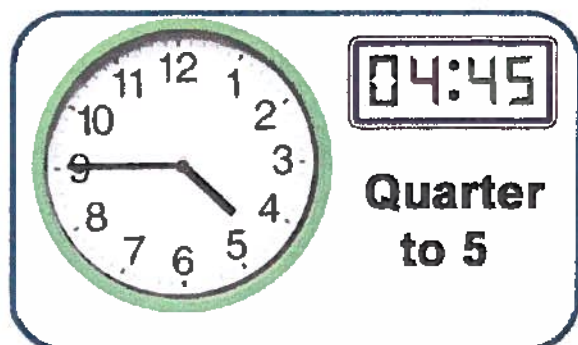
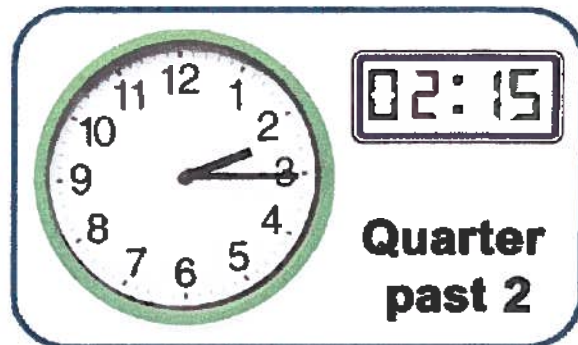
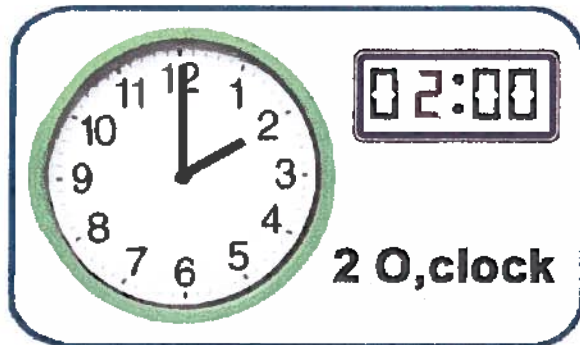
- a** 2 hours = + = minutes
- b** An hour and a half = + = minutes
- c** 2 hours and a third = + = minutes
- d** An hour and a quarter = + = minutes
- e** 2 hours and 25 minutes = + = minutes
- f** An hour and 10 minutes = + = minutes
- g** 65 minutes = hours + minutes
- h** 95 minutes = hours + minutes
- i** 150 minutes = hours + minutes

Remember

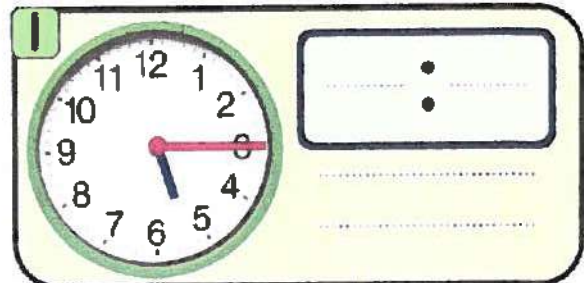
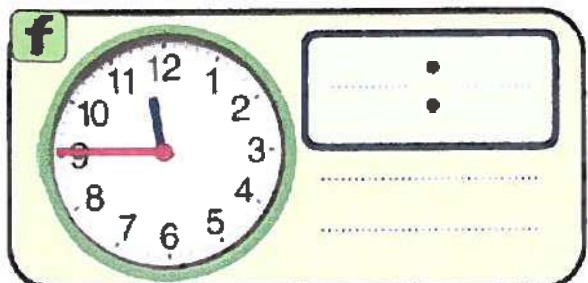
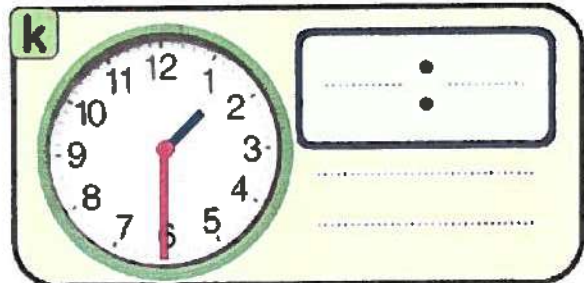
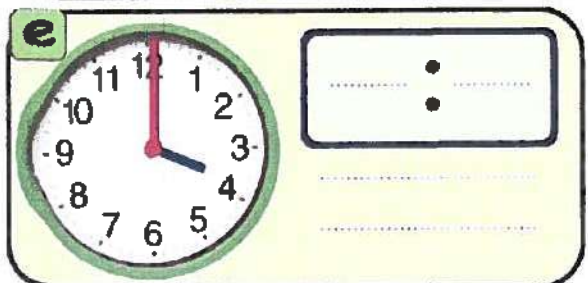
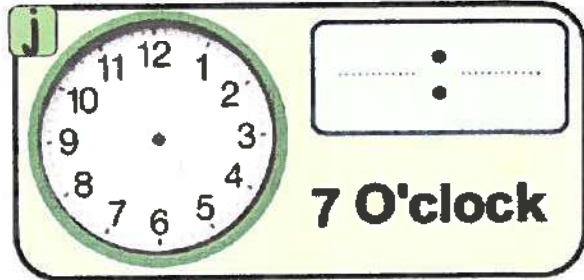
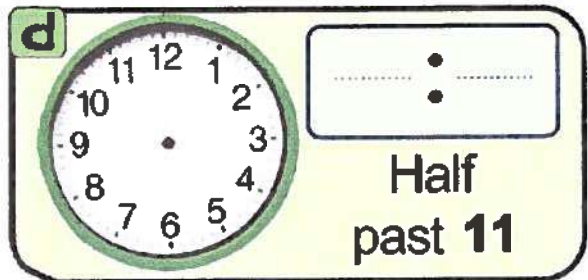
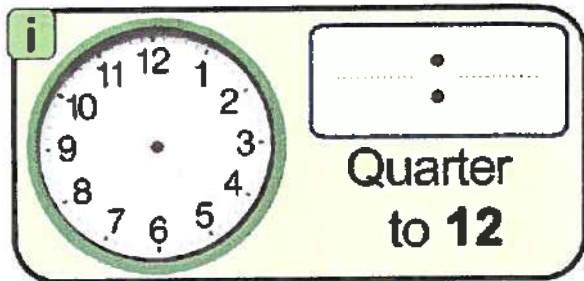
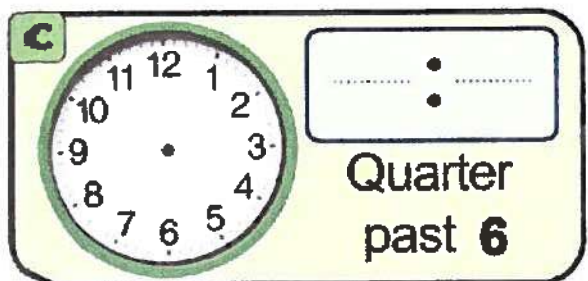
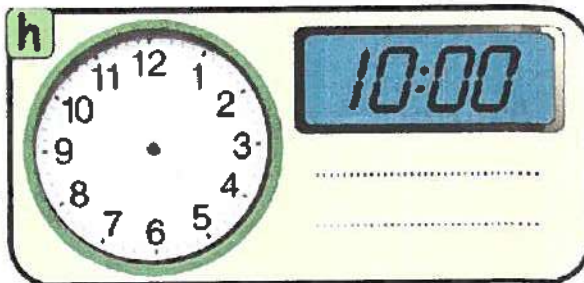
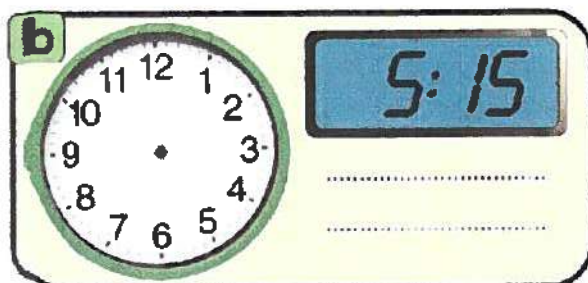
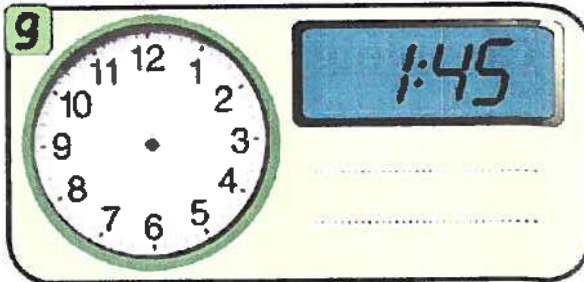
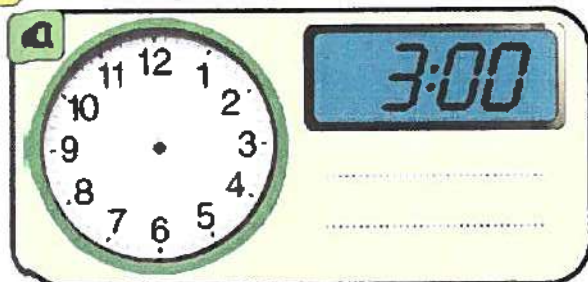
Analog Clock



Digital Clock



2 Complete :





HOMEWORK

1 Complete the following :

a 2 hours = + = minutes

b An hour and a half = + = minutes

c An hour and a third = + = minutes

d An hour and a quarter = + = minutes

e An hour and 25 minutes = + = minutes

f An hour and 10 minutes = + = minutes

g 2 hours and a half = + = minutes

h 2 hours and a third = + = minutes

i 2 hours and a quarter = + = minutes

j 2 hours and 20 minutes = + = minutes

k 2 hours and 55 minutes = + = minutes

l 75 minutes = hours + minutes

m 80 minutes = hours + minutes

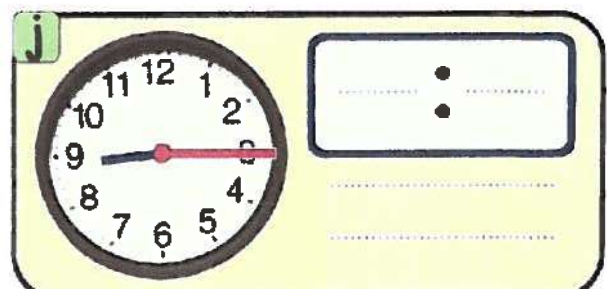
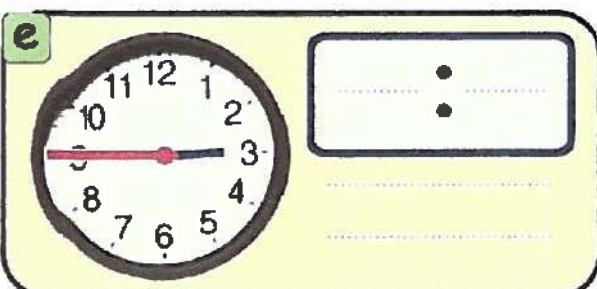
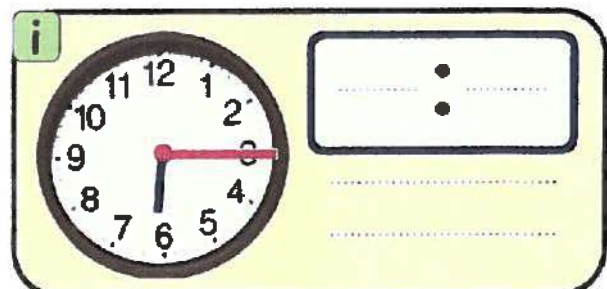
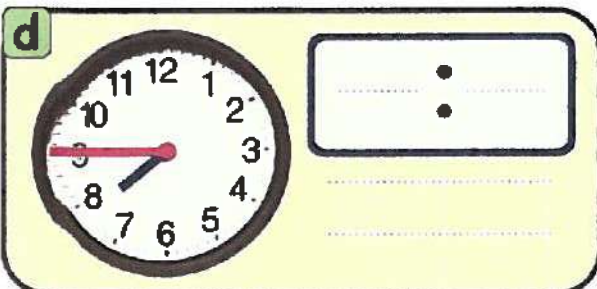
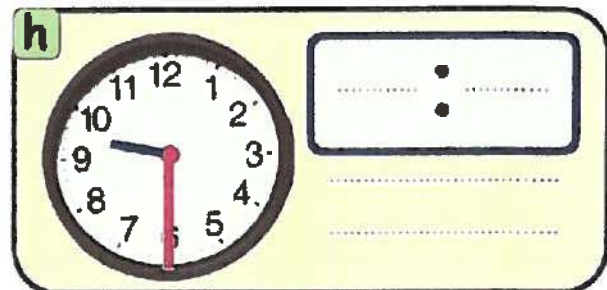
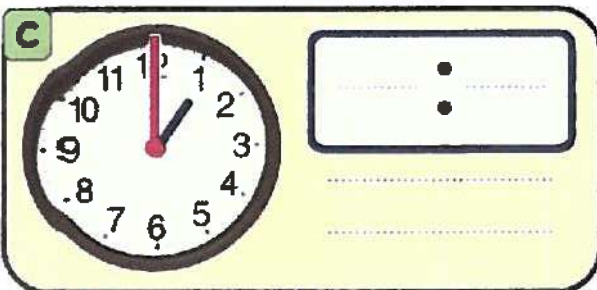
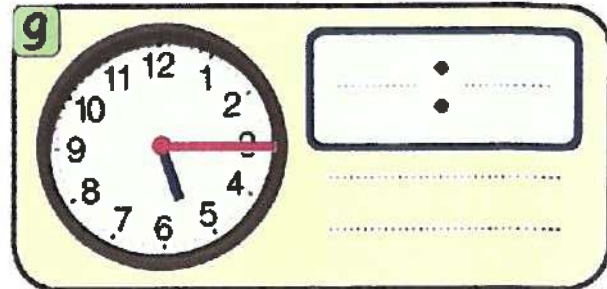
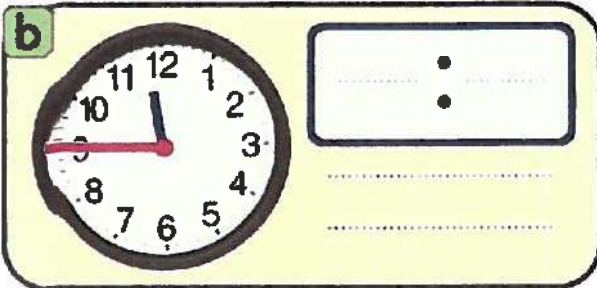
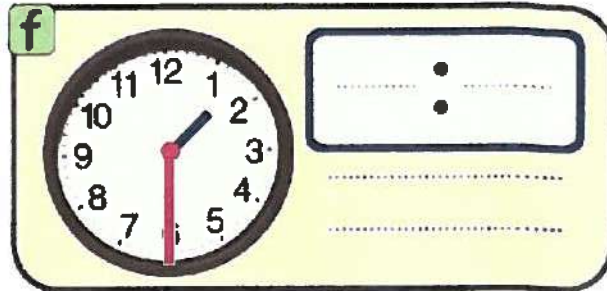
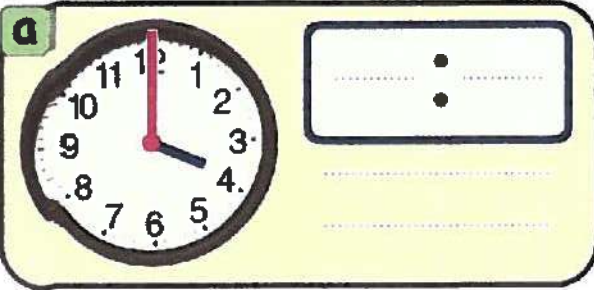
n 95 minutes = hours + minutes

o 100 minutes = hours + minutes

p 105 minutes = hours + minutes

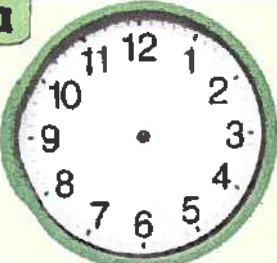
q 130 minutes = hours + minutes

2 Complete :



3 Complete :

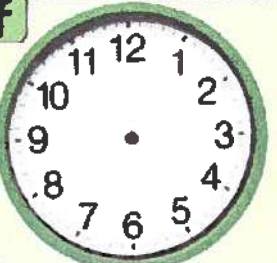
a



..... :

7 O'clock

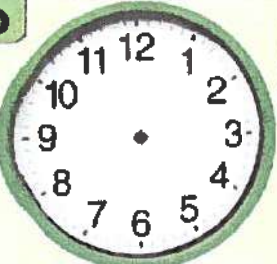
f



..... :

half
past **6**

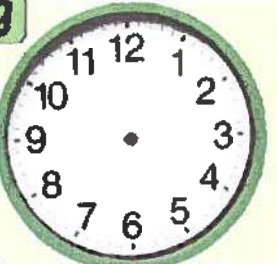
b



..... :

Quarter
past **6**

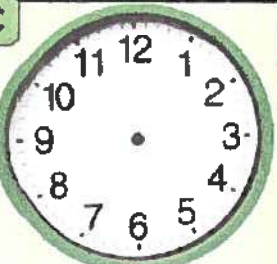
g



..... :

Quarter
to **12**


c



..... :

Half
past **11**

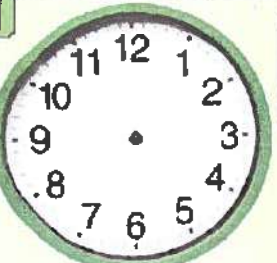
h



..... :

half
past **9**

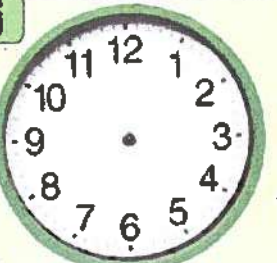
d



..... :

Quarter
to **4**


i



..... :

12 O'clock

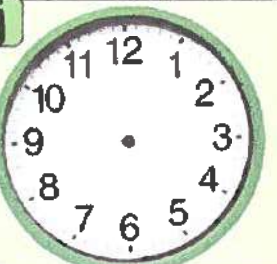
e



..... :

Quarter
to **3**

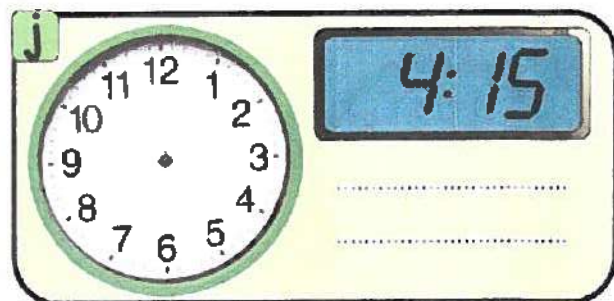
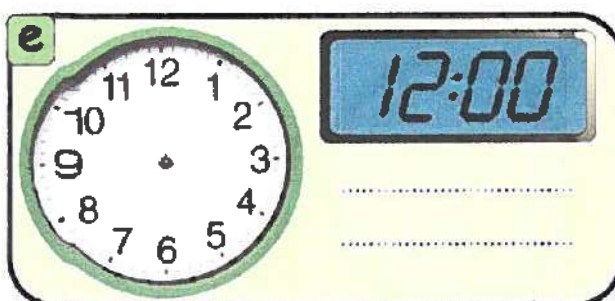
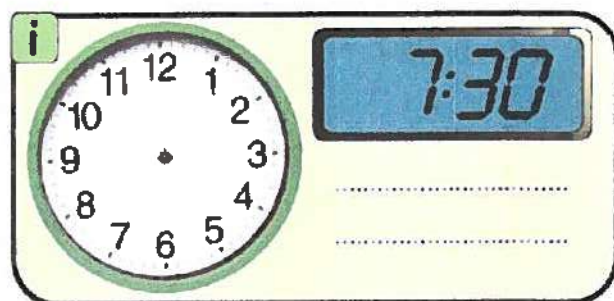
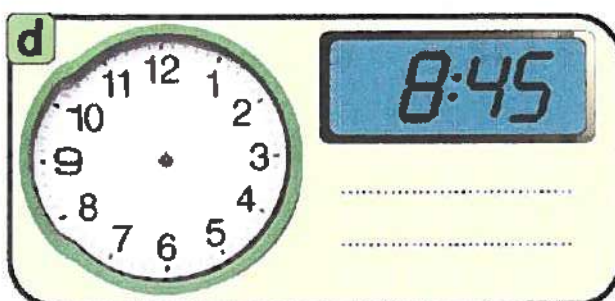
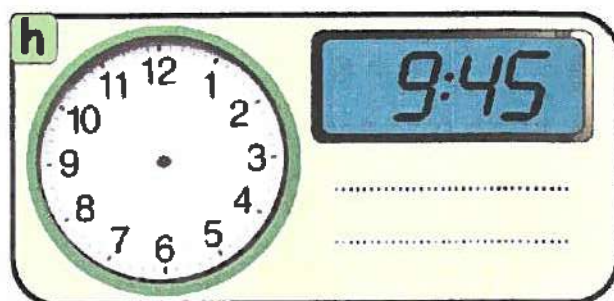
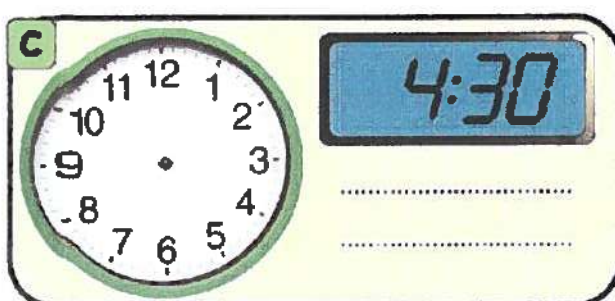
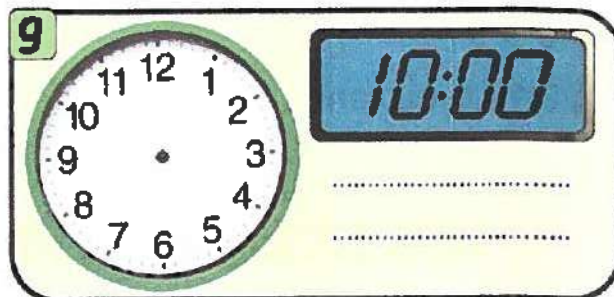
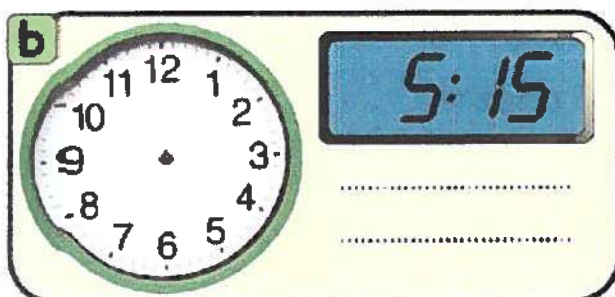
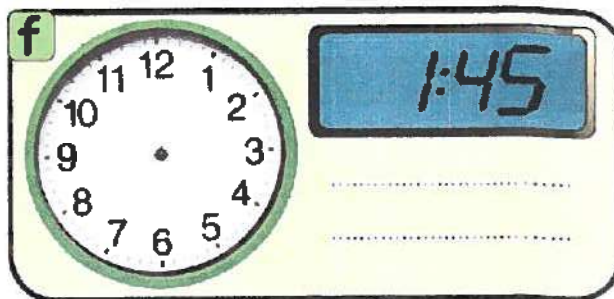
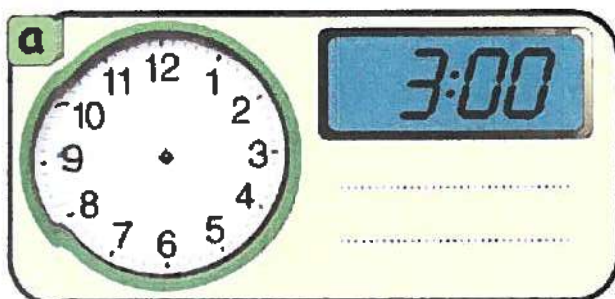
j



..... :

Quarter
past **8**

4 Complete :





First Choose the correct answer

- a** 2 hours and a half = minutes (90 or 120 or 150)
- b** $72 \div \dots = 9$ (8 or 7 or 9)
- c** The value of the digit 6 in the number 36 987 is
(60 000 or 6 000 or 600)
- d** $9 + 9 = \dots$ (6×3 or $9 + 2$ or 9×9)
- e** 310 thousands + 5 hundreds + 15 ones =
(310 605 or 310 155 or 310 515)

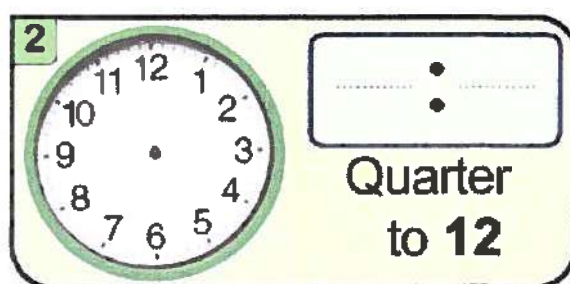
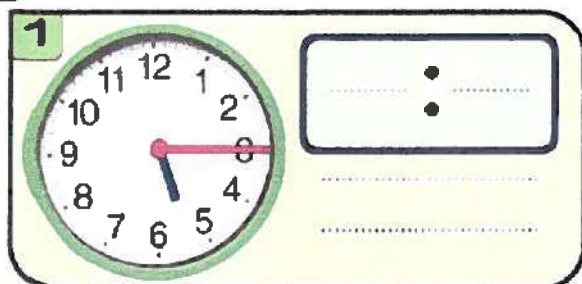
Second Complete the following

- a** 100 minutes = hours + minutes
- b** $6 \times 6 = \dots + \dots + \dots + \dots$
- c** $\dots \div 9 = 6$
- d** Nine hundred and nine thousands =
- e** ☆ □ , ☆ □ , ☆ □ , ,

Third Answer the following

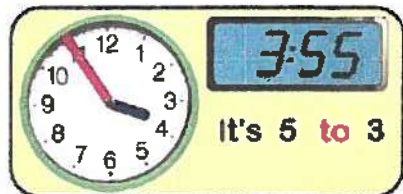
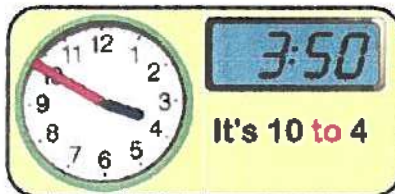
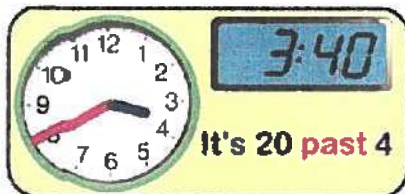
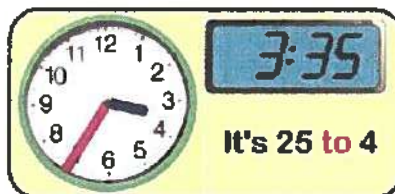
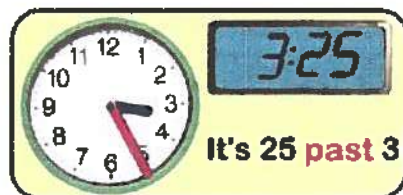
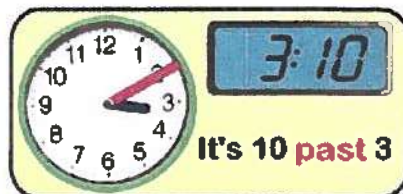
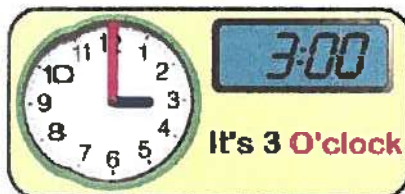
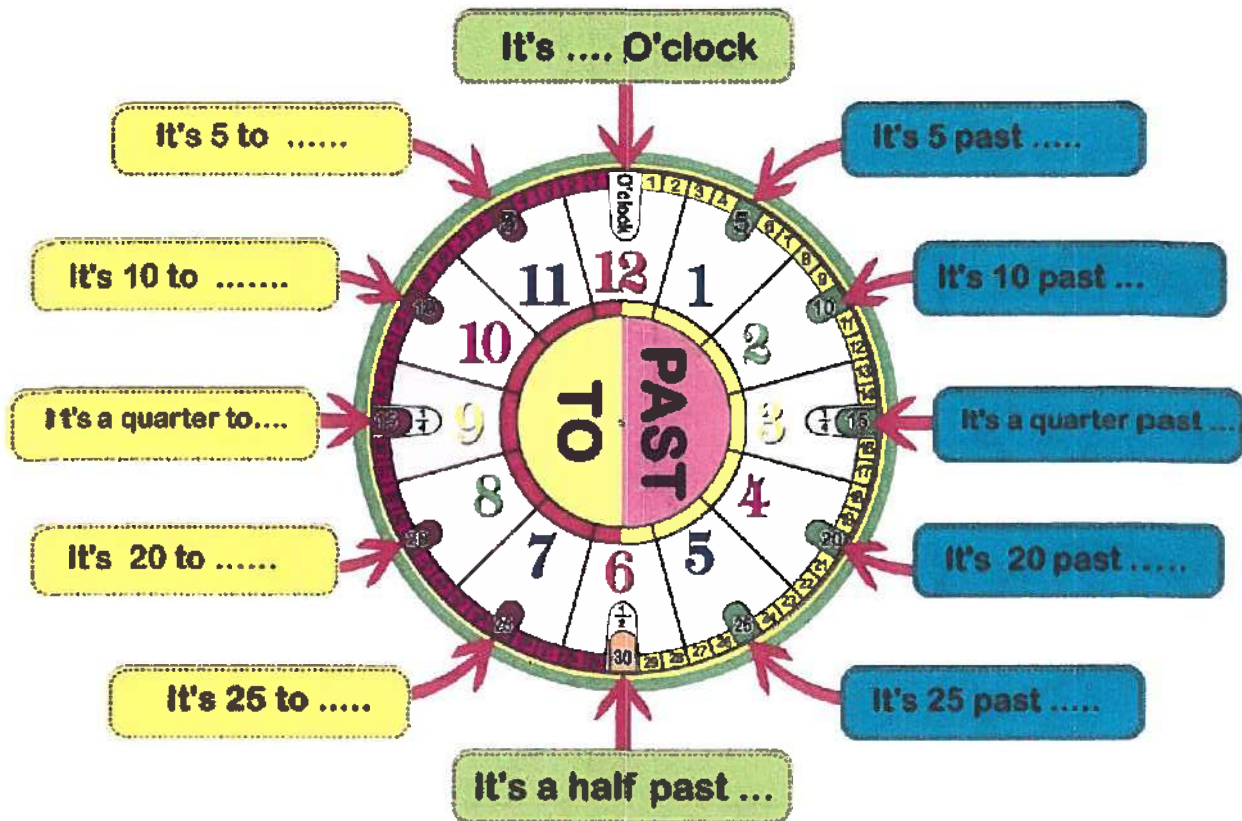
- a** Find the result :
(1) $5\,687 + 223 = \dots$ (2) $6 \overline{)42}$ (3) $\frac{64}{8} = \dots$
- b** Arrange the following numbers in an ascending order .
99 999 , 10 000 , 98 765 , 100 000 , 10 234
..... , , , ,

c Complete :

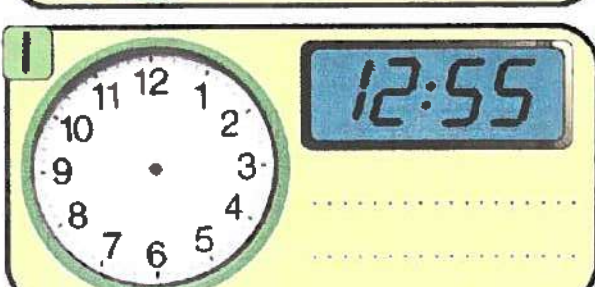
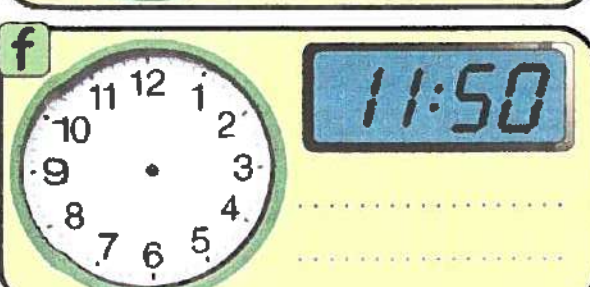
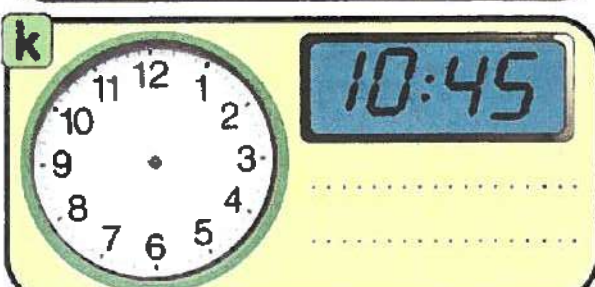
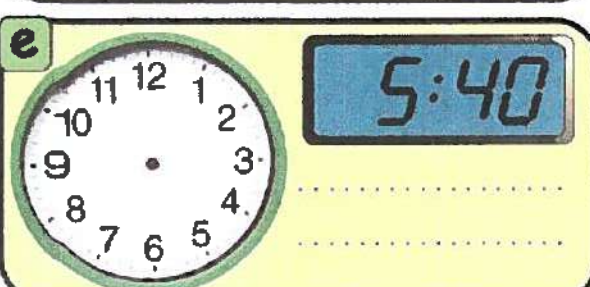
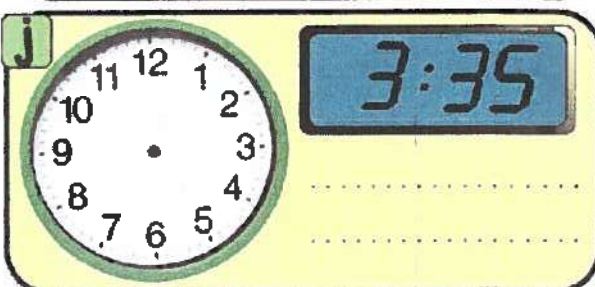
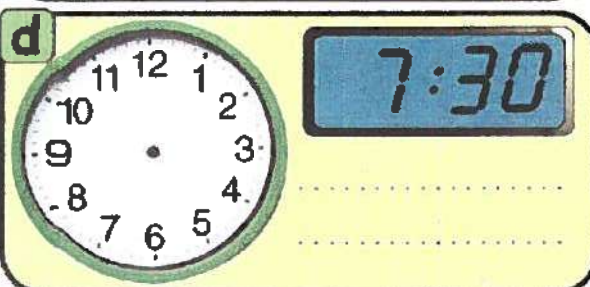
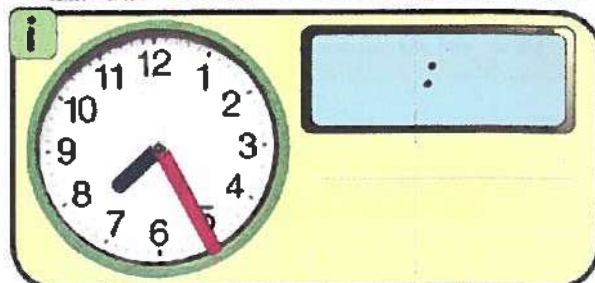
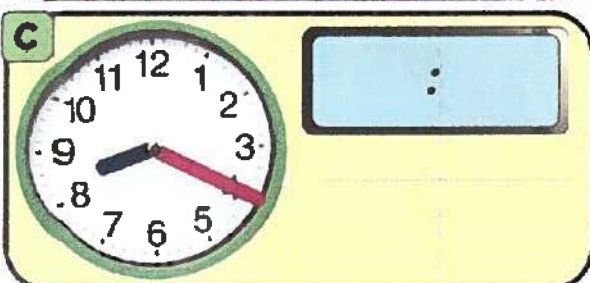
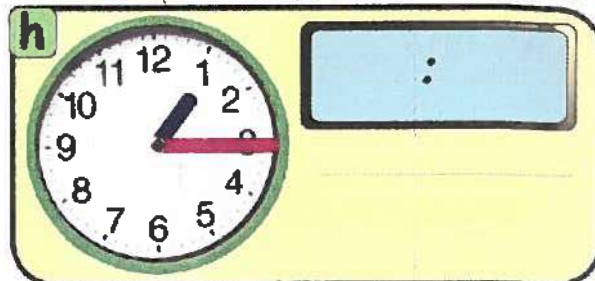
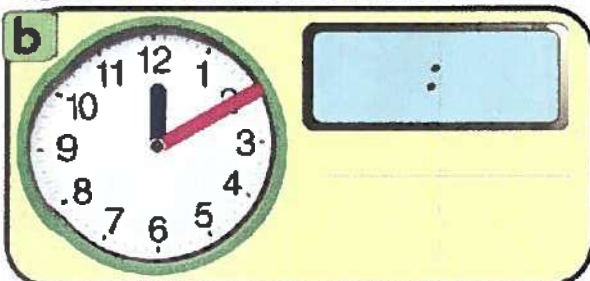
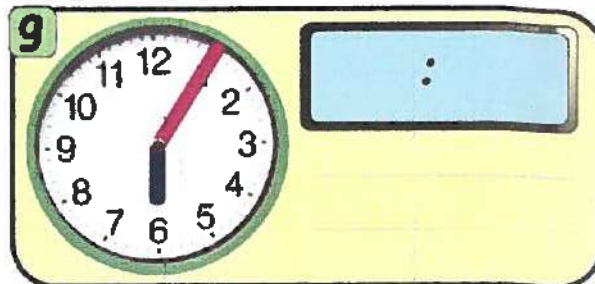
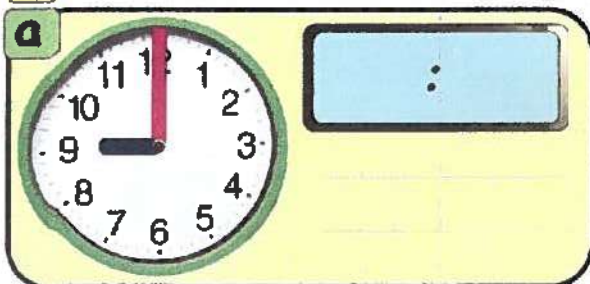


LESSON 2

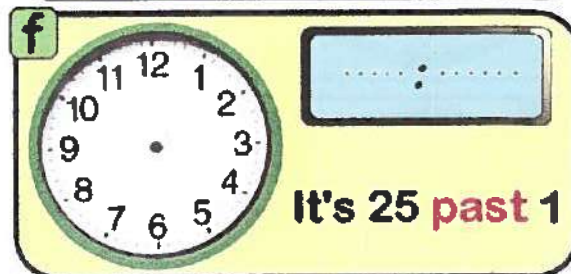
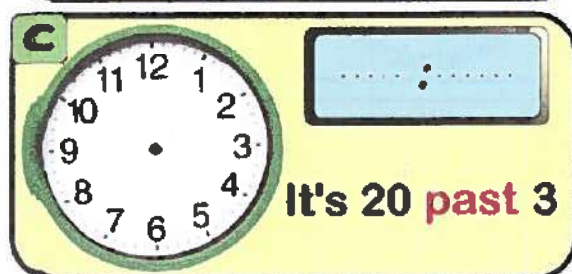
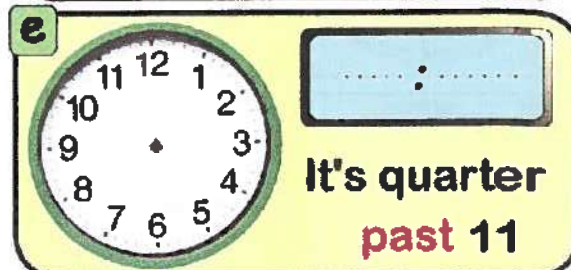
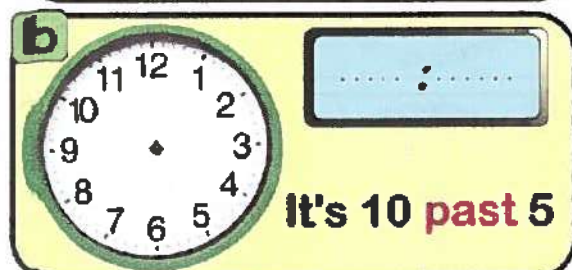
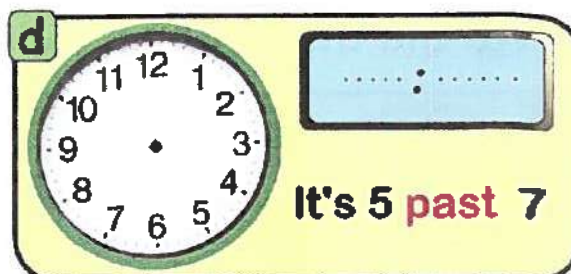
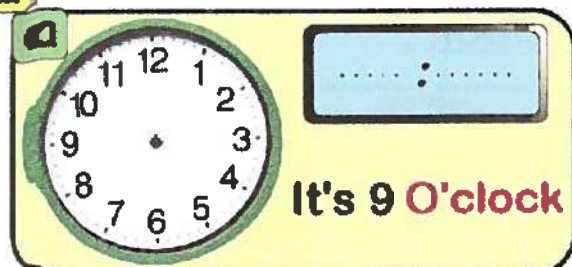
Telling the time



1 Write the time shown by the clock :



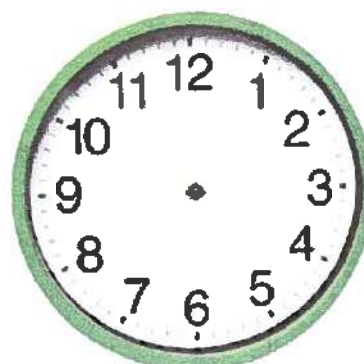
2 Complete the following



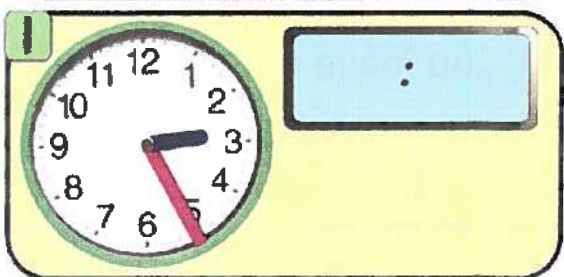
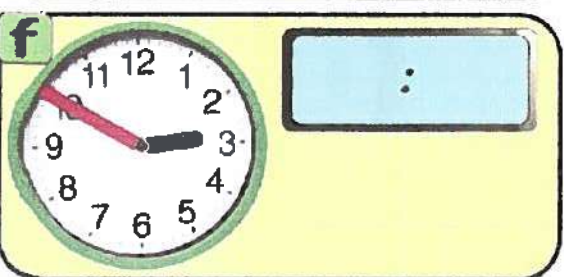
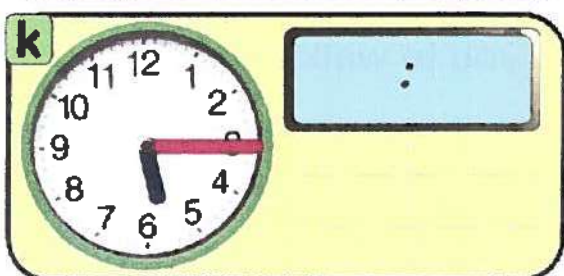
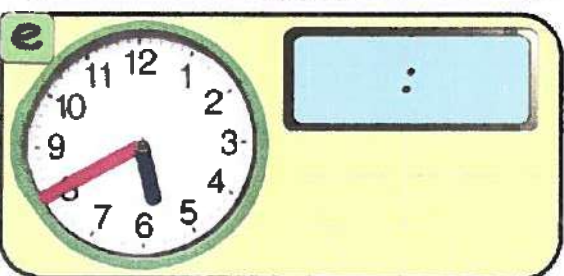
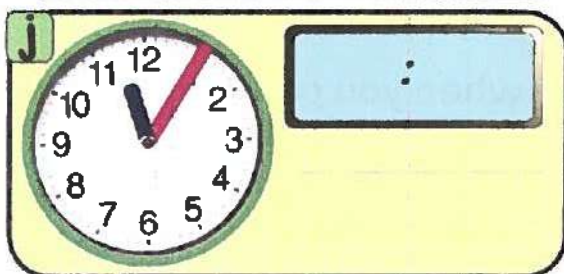
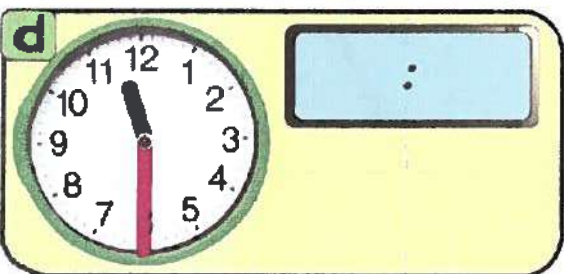
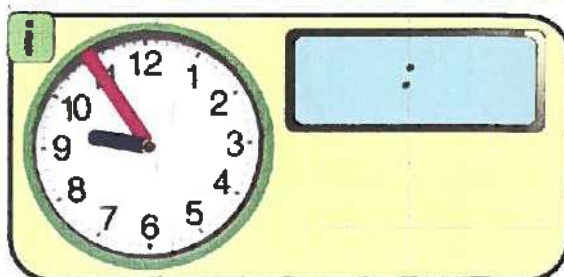
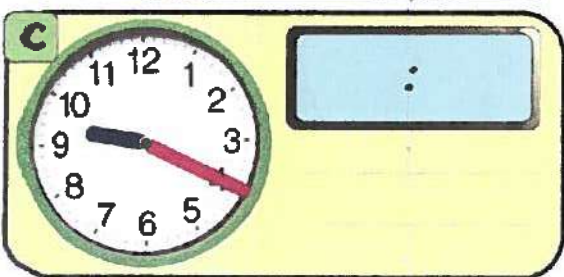
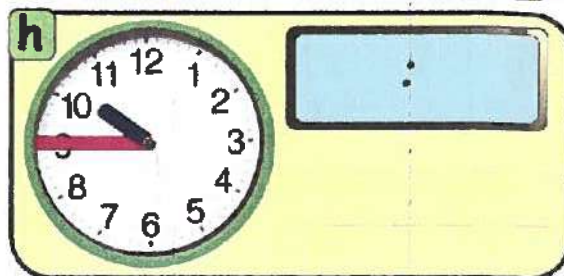
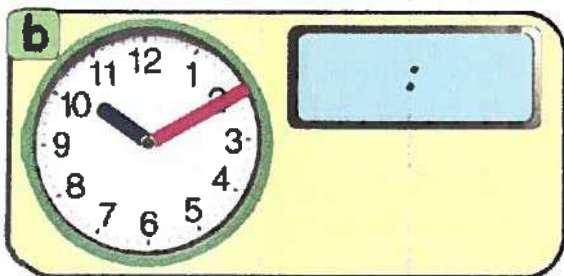
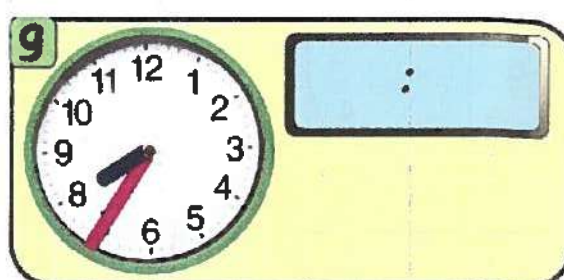
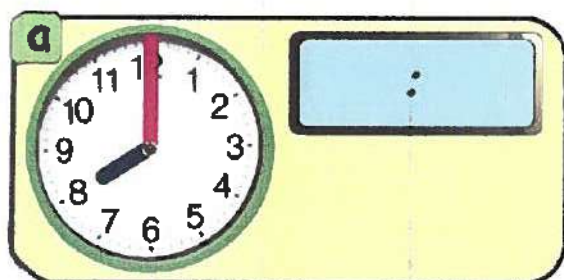
- 3** You leave school at 3:00 and when you get home the clock looks like this :
How many minutes did it take you to walk home ?



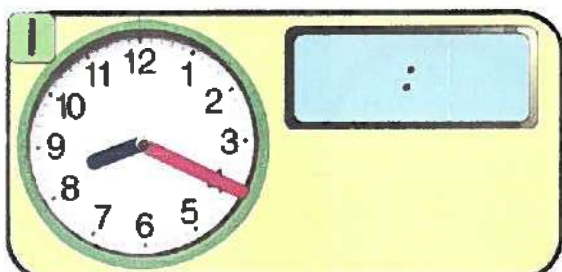
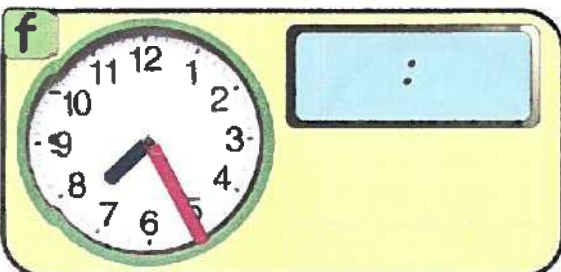
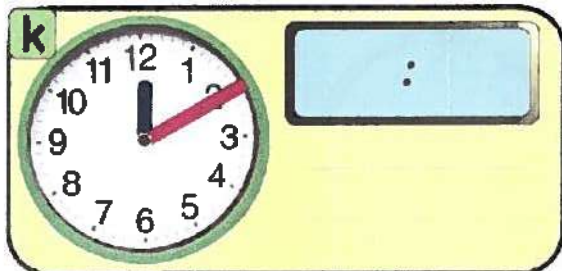
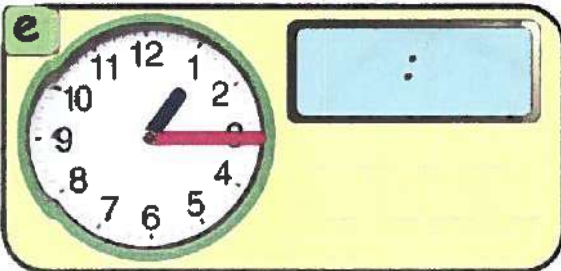
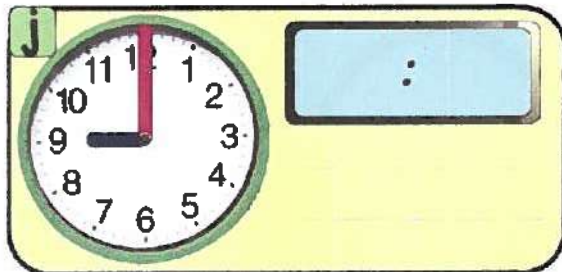
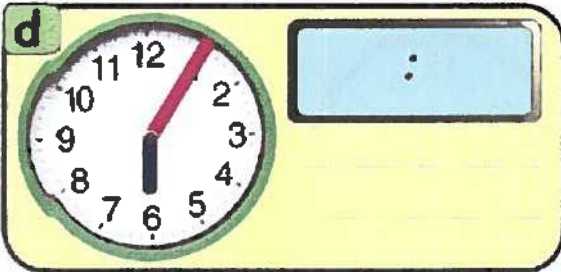
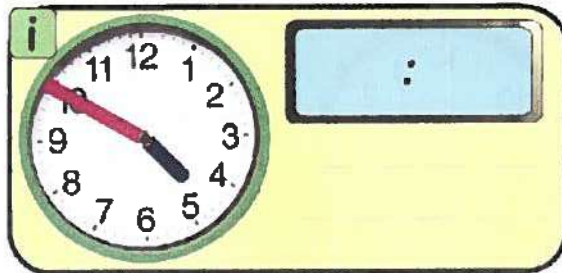
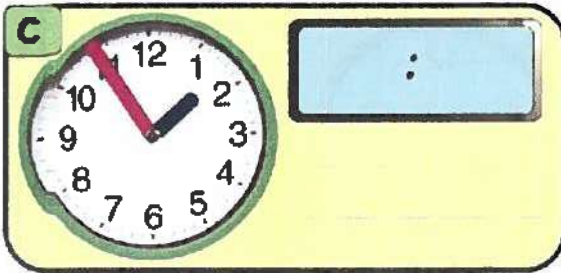
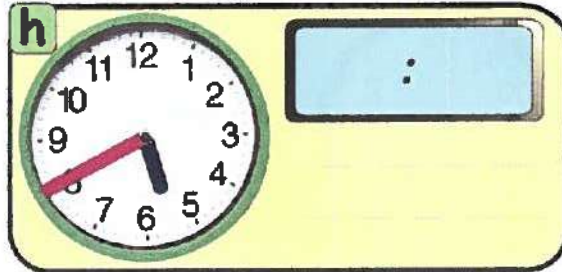
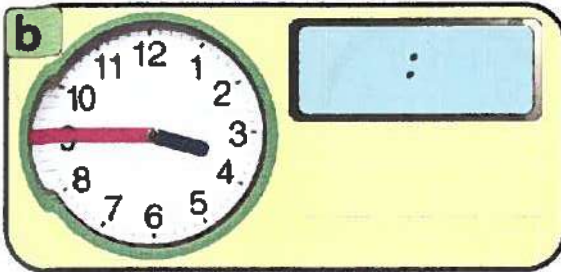
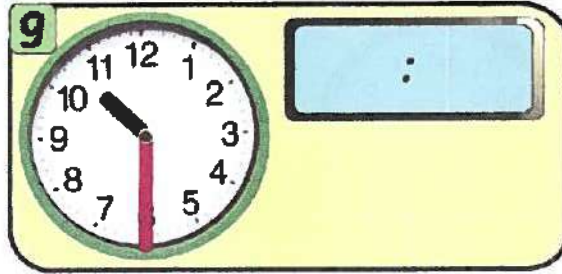
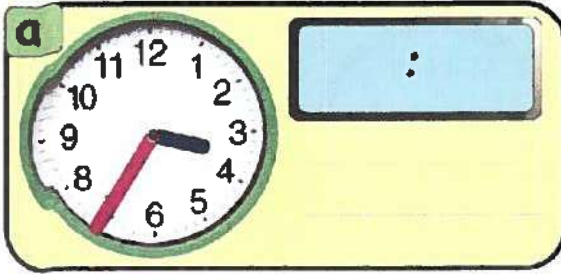
- 4** If it takes you 45 minutes to walk home from school and you leave at 3:00, what time will it be when you get home? Draw the time on the clock.



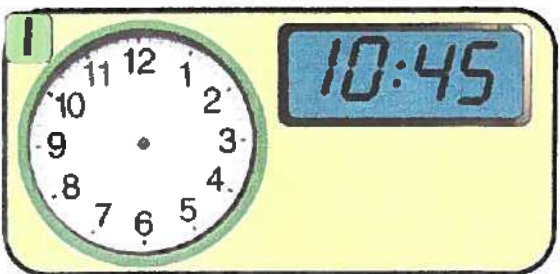
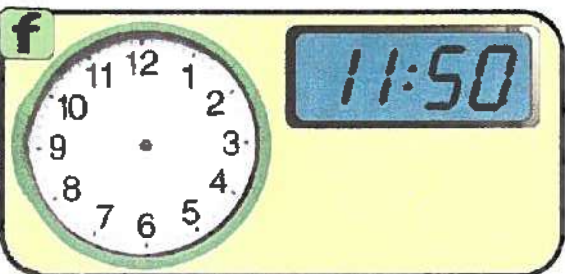
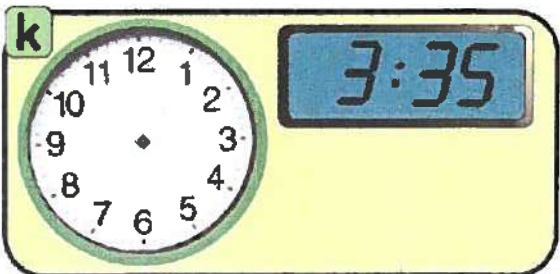
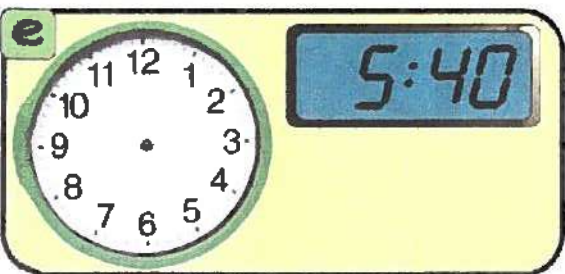
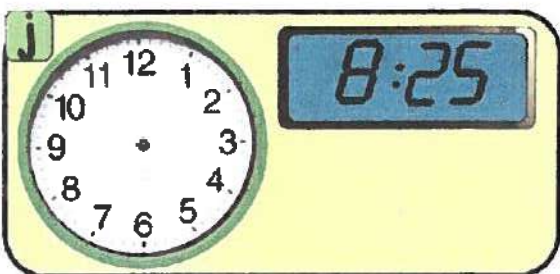
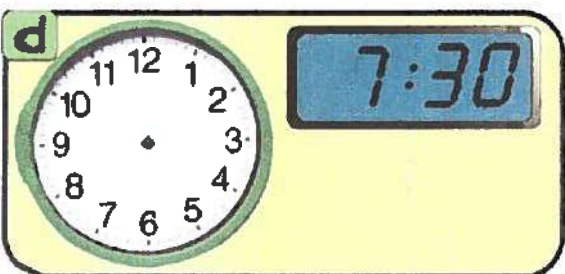
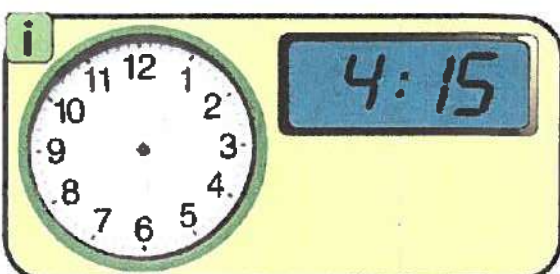
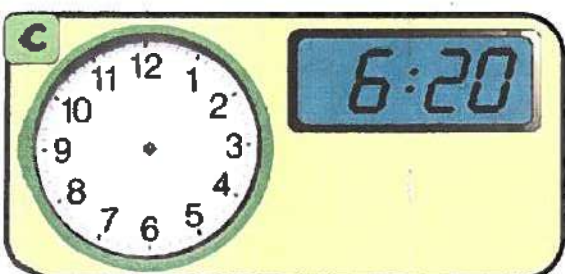
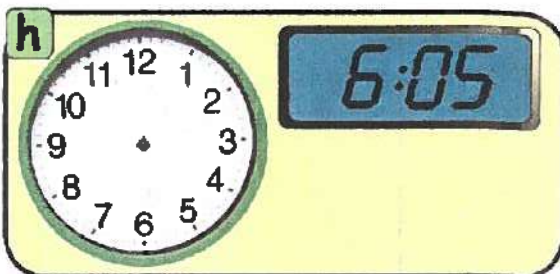
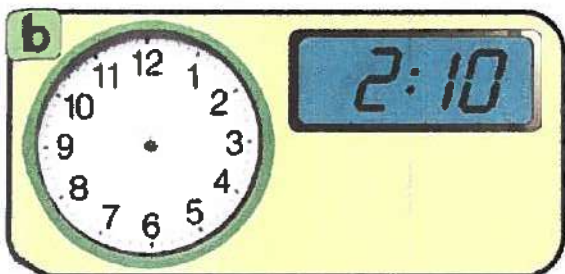
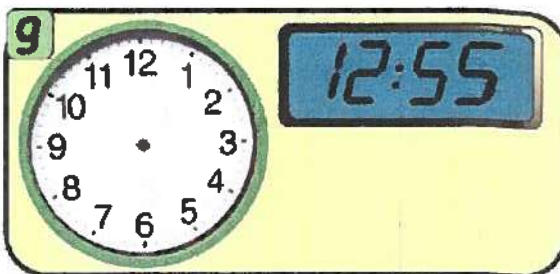
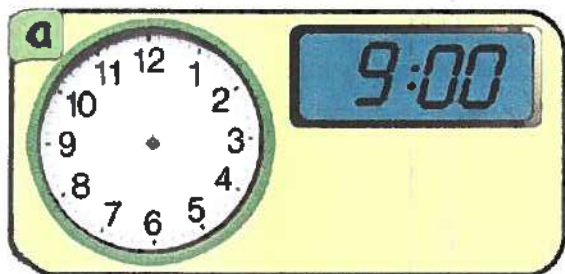
Write the time shown by the clock :

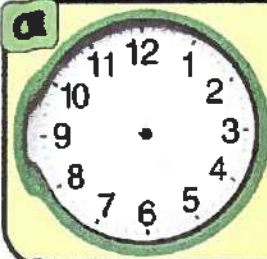
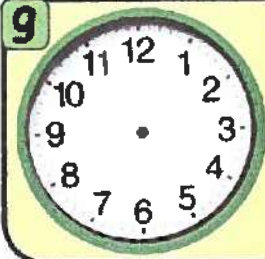
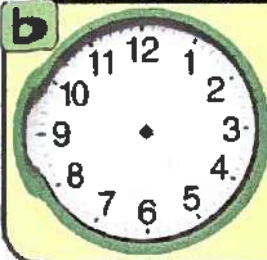
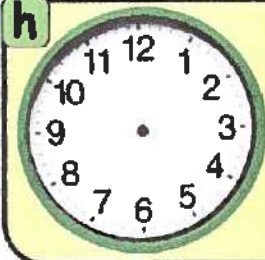
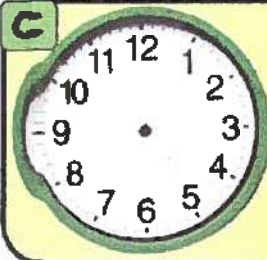
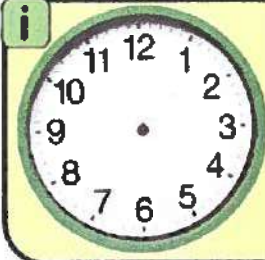
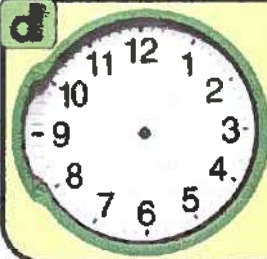
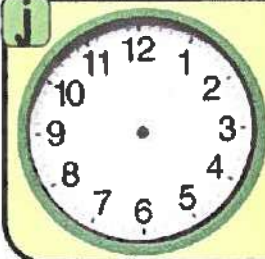
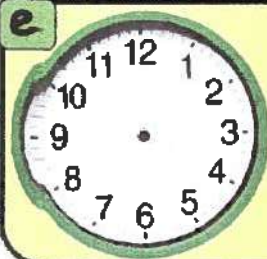
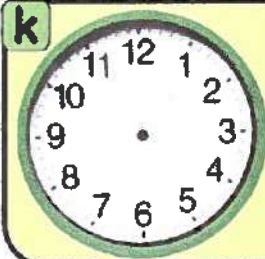
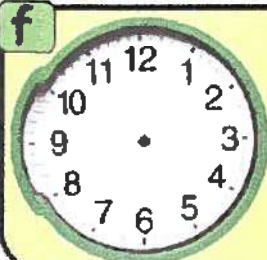
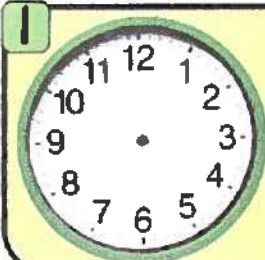


2 Write the time shown by the clock :

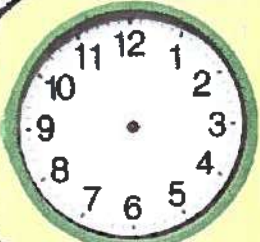


3 Write the time shown by the clock :




4 Write the time shown by the clock :**a****2:10****g****4:15****b****9:00****h****6:05****c****7:30****i****3:35****d****6:20****j****8:25****e****11:50****k****12:55****f****5:40****l****10:45**


5 Complete the following




It's 10 past 5



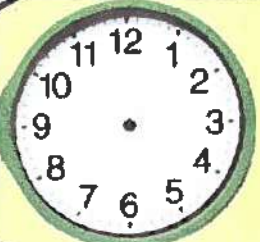
It's quarter past 11



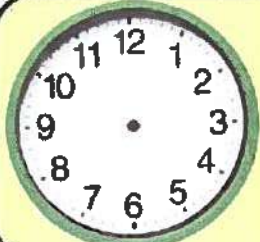
It's 9 O'clock



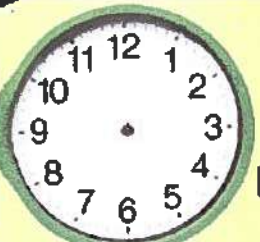
It's 5 past 7




It's half past 2




It's 25 to 4



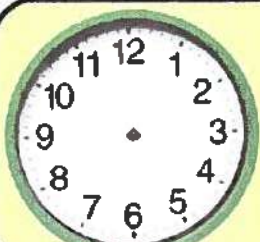
It's 20 past 3



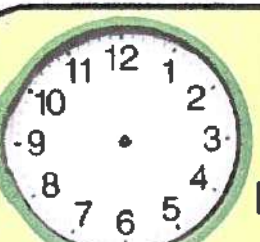
It's 25 past 1



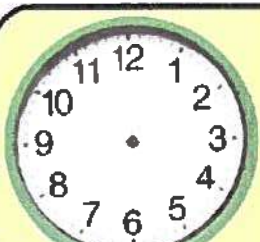
It's 10 to 10



It's 5 to 12



It's 20 past 6



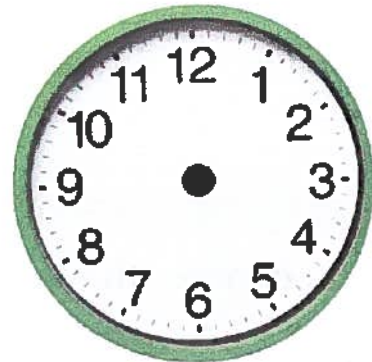
It's quarter to 8

- 6** You leave school at 3:00 and when you get home the clock looks like this :



How many minutes did it take you to walk home ?

- 7** If it takes you 45 minutes to walk home from school and you leave at 3:00, what time will it be when you get home?
Draw the time on the clock.

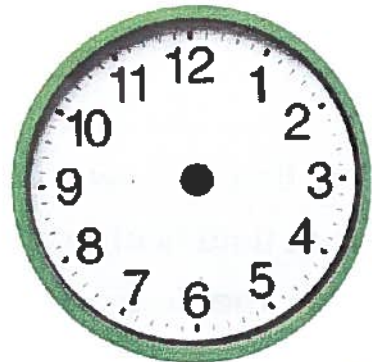


- 8** Your mom puts muffins in the oven at 7:00.
When you take them out, the clock looks like this:



How many minutes did it take to bake the muffins ?

- 9** If Ahmed takes 30 minutes to go to the club from home and leave at 8:00, at any time will he be when he arrives at the club?
Draw the time on the clock.





First Choose the correct answer

- a** $3 + 3 + 3 + 3 + 3 + 3 + 3 + 3 = \dots$ (3×3 or $3 + 8$ or 4×6)
- b** $720\ 072 = 72 + \dots$ ($720\ 000$ or $7\ 200$ or 720)
- c** $50 \times 8 = 10 \times \dots$ (400 or 40 or 4)
- d** The value of the digit 3 in the number 35 689 is
($300\ 000$ or $30\ 000$ or $3\ 000$)
- e** The largest 5-digit number is
($10\ 000$ or $98\ 765$ or $99\ 999$)

Second Complete the following

- a** The number that comes right after 60 099 is
- b** $8 \times 5 + 8 \times 10 = 8 \times \dots$
- c** An hour + 40 minutes = minutes
- d** $\div 8 = 6$
- e** 60 020 (In word form) :

Third Answer the following

- a** Arrange the following numbers in an ascending order .

2 458 , 6 854 , 8 214 , 1 024 , 4 325

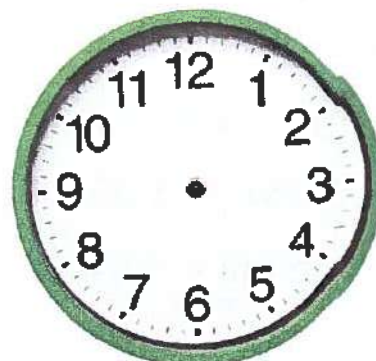
.....,,,,

- b** Each T-shirt costs LE 70 , How much do 9 T-shirts cost ?

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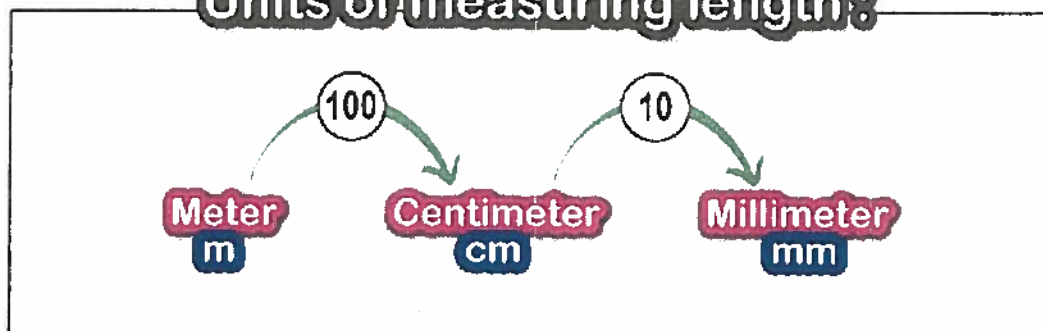
- c** The time is now 7:00,
what time is after 40 minutes
Draw the time on the clock.



LESSON 3

The length

Units of measuring length:



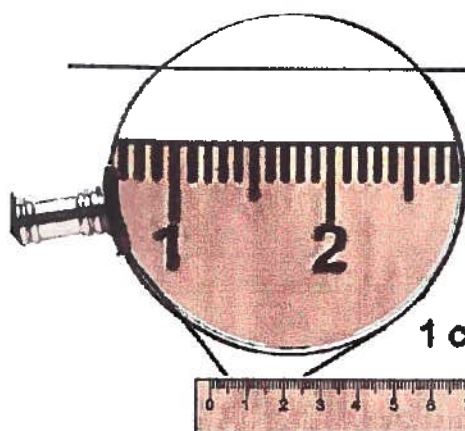
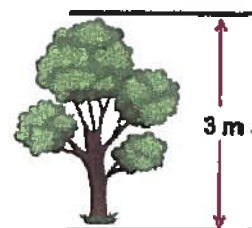
Millimeter
(mm.) is used to measure very small things, such as small insects



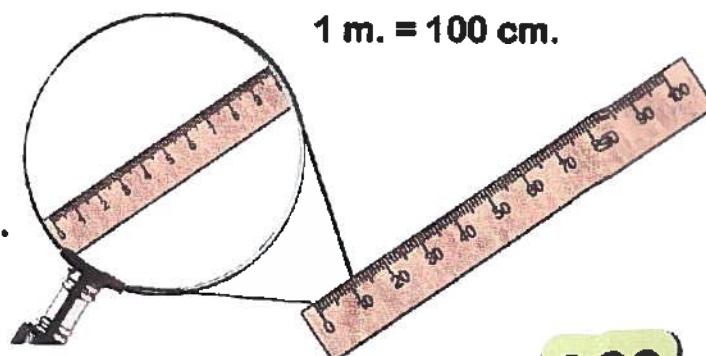
Centimeter
(cm.) is used to measure small things, such as pens and books ...



Meter
(m.) is used to measure tall objects, such as trees and buildings ...



1 cm. = 10 mm.

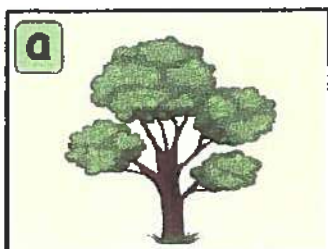


1 m. = 100 cm.

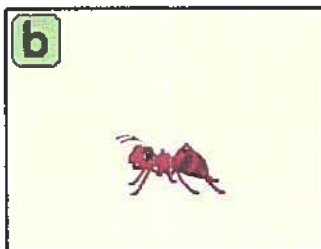
1 See the pictures below. Determine what is the appropriate unit of length for measuring these things :

[millimeter (**mm**) , centimeter (**cm**) or meters (**m**).]

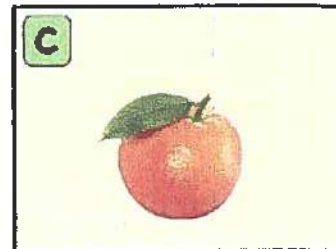
Then write it under the picture



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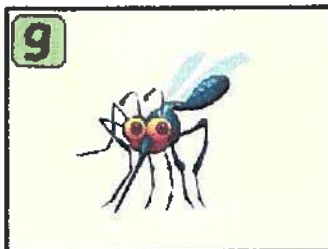
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2 Complete :

a 5 cm = mm.

c 7 m = cm

b 60 mm = cm

d 700 cm = m.

e 8 cm + 5 mm = + = mm.

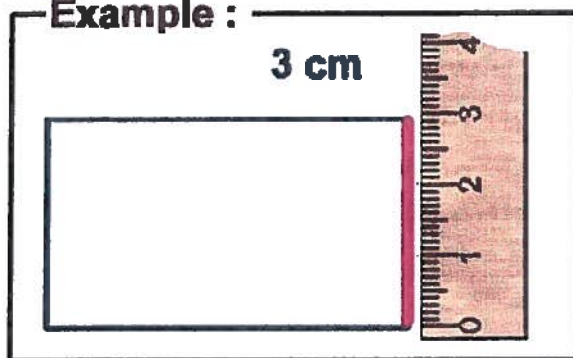
f 5 m + 40 cm = + = cm.

g 162 mm = cm + mm.

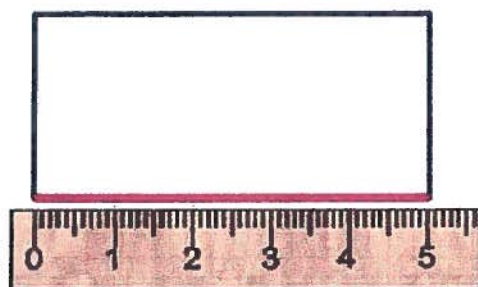
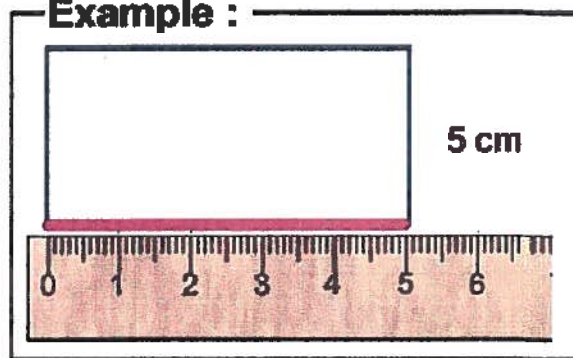
h 270 cm = m + cm.

3 Measure the red side length using the ruler :

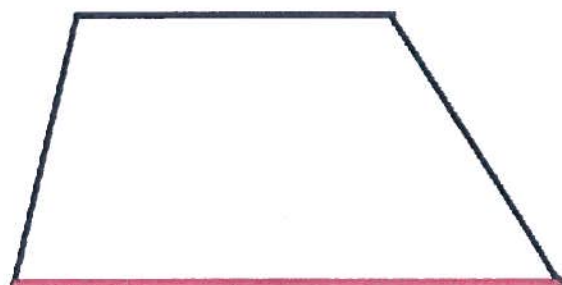
Example :



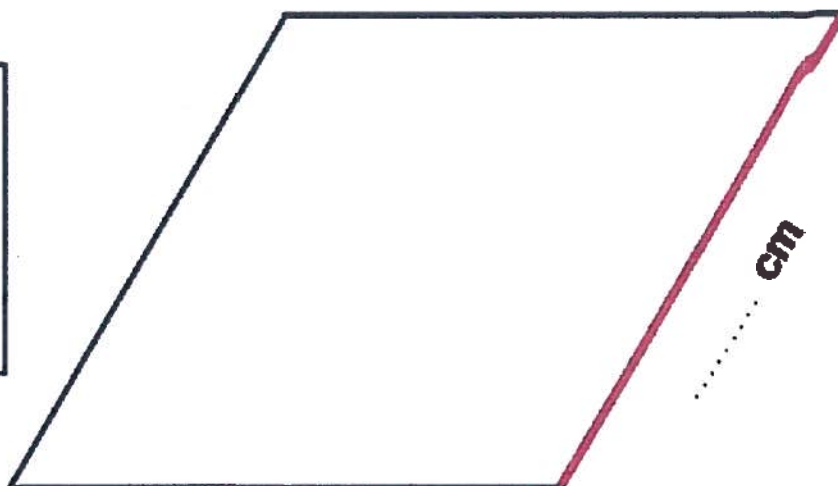
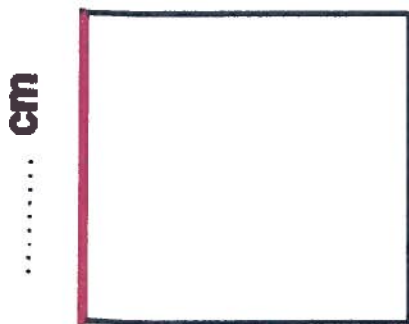
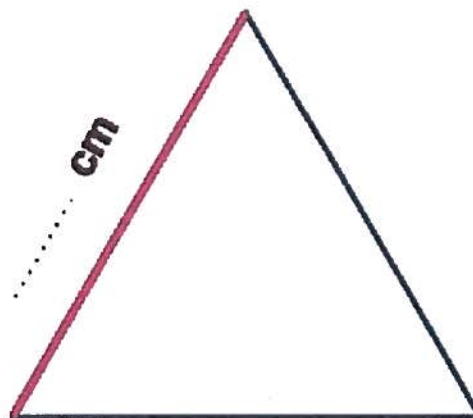
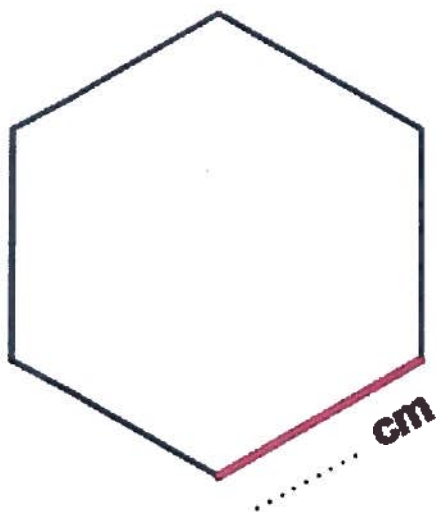
Example :



..... cm



..... cm

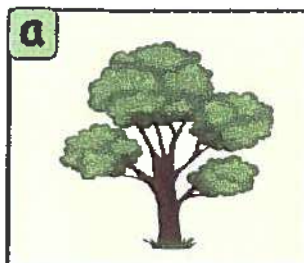




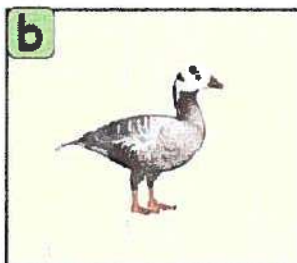
1 See the pictures below. Determine what is the appropriate unit of length for measuring these things :

[millimeter (**mm**) , centimeter (**cm**) or meters (**m**).]

Then write it under the picture



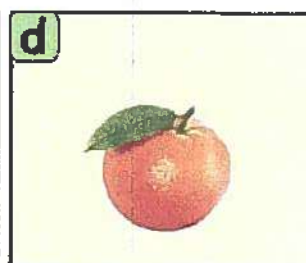
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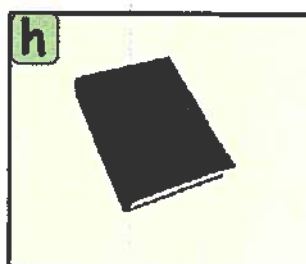
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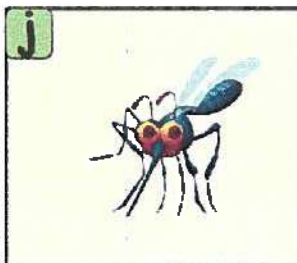
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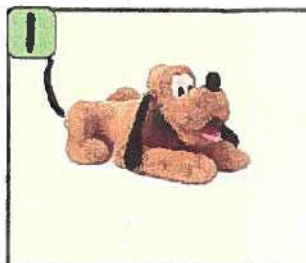
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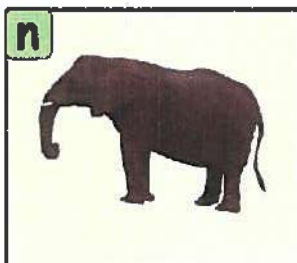
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2 Complete :

(1) $4 \text{ cm} = \dots\dots\dots \text{ mm}.$

(2) $5 \text{ cm} = \dots\dots\dots \text{ mm}.$

(3) $10 \text{ cm} = \dots\dots\dots \text{ mm}.$

(4) $80 \text{ mm} = \dots\dots\dots \text{ cm}$

(5) $60 \text{ mm} = \dots\dots\dots \text{ cm}$

(6) $600 \text{ mm} = \dots\dots\dots \text{ cm}$

(7) $700 \text{ mm} = \dots\dots\dots \text{ cm}$

(8) $6 \text{ m} = \dots\dots\dots \text{ cm}$

(9) $7 \text{ m} = \dots\dots\dots \text{ cm}$

(10) $12 \text{ m} = \dots\dots\dots \text{ cm}$

(11) $200 \text{ cm} = \dots\dots\dots \text{ m}.$

(12) $700 \text{ cm} = \dots\dots\dots \text{ m}.$

(13) $5\,000 \text{ cm} = \dots\dots\dots \text{ m}.$

(14) $4\,000 \text{ cm} = \dots\dots\dots \text{ m}.$

(15) $8 \text{ cm} + 5 \text{ mm} = \dots\dots\dots + \dots\dots\dots = \dots\dots\dots \text{ mm}.$

(16) $6 \text{ cm} + 7 \text{ mm} = \dots\dots\dots + \dots\dots\dots = \dots\dots\dots \text{ mm}.$

(17) $12 \text{ cm} + 8 \text{ mm} = \dots\dots\dots + \dots\dots\dots = \dots\dots\dots \text{ mm}.$

(18) $5 \text{ m} + 40 \text{ cm} = \dots\dots\dots + \dots\dots\dots = \dots\dots\dots \text{ cm}.$

(19) $2 \text{ m} + 25 \text{ cm} = \dots\dots\dots + \dots\dots\dots = \dots\dots\dots \text{ cm}.$

(20) $20 \text{ m} + 12 \text{ cm} = \dots\dots\dots + \dots\dots\dots = \dots\dots\dots \text{ cm}.$

(21) $67 \text{ mm} = \dots\dots\dots \text{ cm} + \dots\dots\dots \text{ mm}.$

(22) $95 \text{ mm} = \dots\dots\dots \text{ cm} + \dots\dots\dots \text{ mm}.$

(23) $162 \text{ mm} = \dots\dots\dots \text{ cm} + \dots\dots\dots \text{ mm}.$

(24) $225 \text{ cm} = \dots\dots\dots \text{ m} + \dots\dots\dots \text{ cm}.$

(25) $270 \text{ cm} = \dots\dots\dots \text{ m} + \dots\dots\dots \text{ cm}.$

(26) $4\,550 \text{ cm} = \dots\dots\dots \text{ m} + \dots\dots\dots \text{ cm}.$

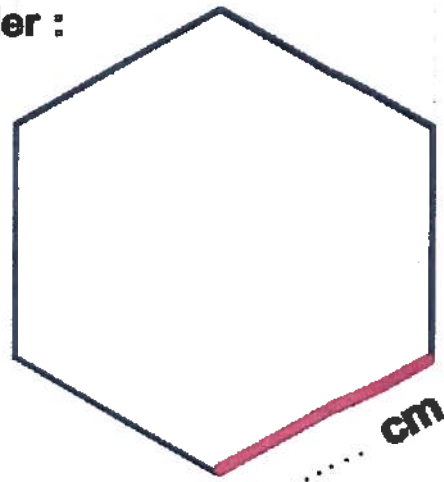
3 Measure the side length using the ruler :



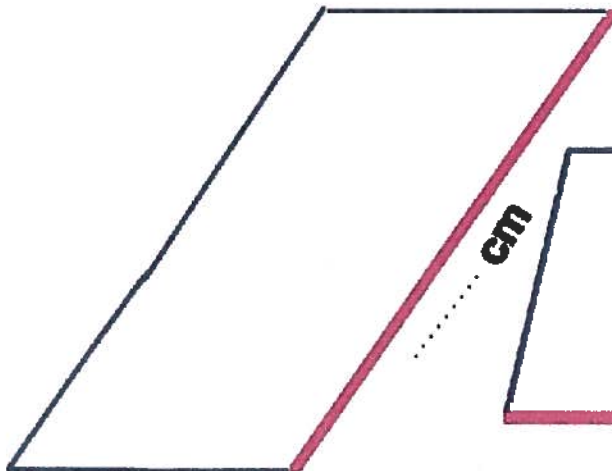
..... cm



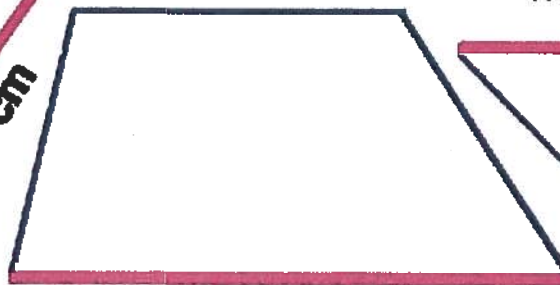
..... cm



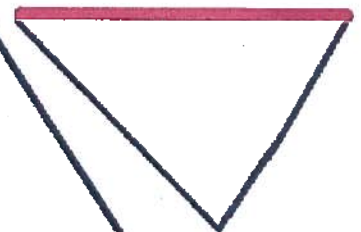
..... cm



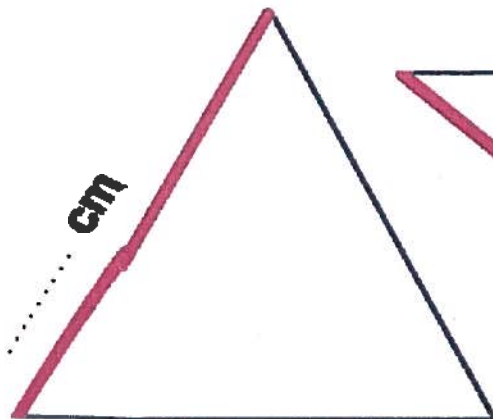
..... cm



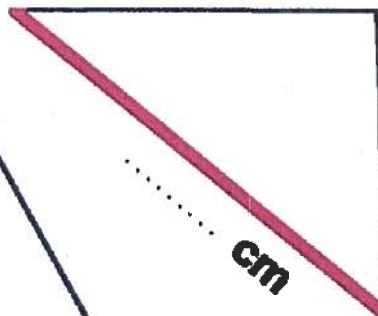
..... cm



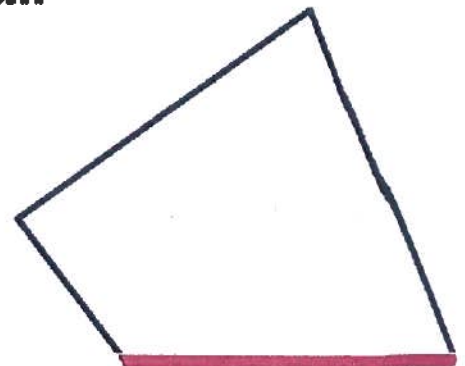
..... cm



..... cm



..... cm



..... cm



..... cm



..... cm









..... cm

First Choose the correct answer

- a $10 \text{ cm} + 5 \text{ mm} = \dots\dots \text{ mm}$ (105 or 15 or 1 005)
- b $15 \text{ m} = \dots\dots \text{ cm}$. (15 or 150 or 1 500)
- c $500 + 0 + 0 + 6 = \dots\dots$ (500 006 or 50 006 or 50 6)
- d The number comes right after 30 999 is
(31 000 or 30 100 or 31 999)
- e The largest 5-different- digit number is
(99 999 or 98 765 or 10 234)

Second Complete the following

- a $205 \text{ cm} = \dots\dots \text{ m} + \dots\dots \text{ cm}$
- b $15\,204 = \dots\dots \text{ thousands} + \dots\dots \text{ hundreds} + \dots\dots \text{ tens} + \dots\dots \text{ ones}$
- c The value of the digit 0 in the number 30 159 is
- d Two hundred thousand and two (In digits) :
- e   ,   ,   , ,

Third Answer the following

- a Find the result :
(1) $859 + 141 = \dots\dots$ (2) $700 - 125 = \dots\dots$ (3) $45 \div 5 = \dots\dots$
- b Complete using (< , = or >) :
(1) $50 \text{ m} + 25 \text{ cm}$ 525 cm (2) 6×6 9×4
(3) $8 \text{ cm} + 5 \text{ mm}$ 805 cm (4) $18 \div 2$ $42 \div 7$
- c Arrange the following length in an ascending order :
5 cm , 50 m , 500 mm , 550 cm
..... , , ,

LESSON 4

Two-dimensional shapes (2D-shapes)

Polygon

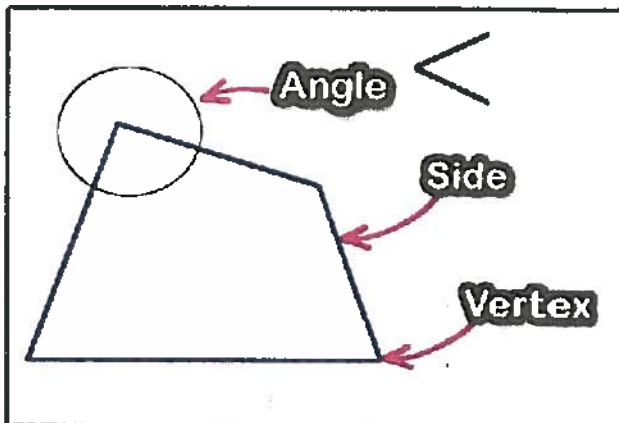
A closed shape formed from 3 line segments or more.



A polygon



Not a polygon



Triangle
3 Sides



Quadrilateral
4 Sides



Pentagon
5 Sides



Hexagon
6 Sides



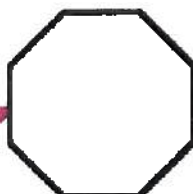
Heptagon
7 Sides



Octagon
8 Sides

In any polygon
the number of sides = the number of angles = the number of vertices

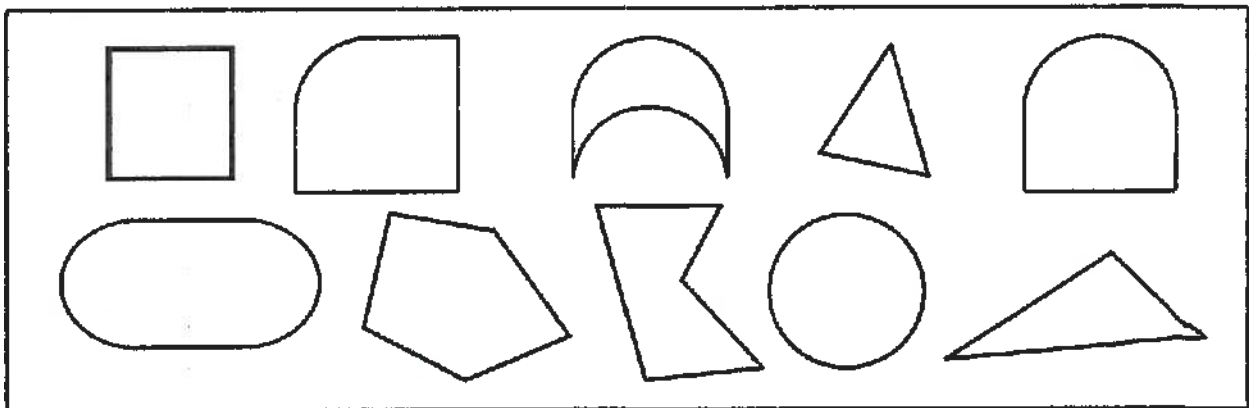
Regular Polygon



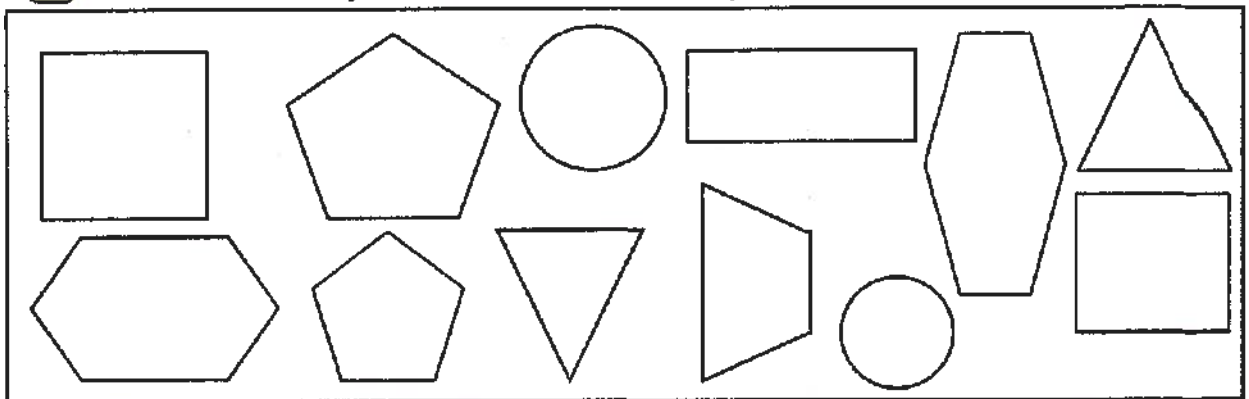
Irregular Polygon



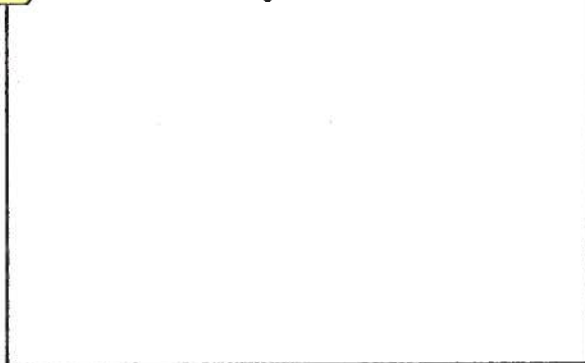
1 Color only polygons :



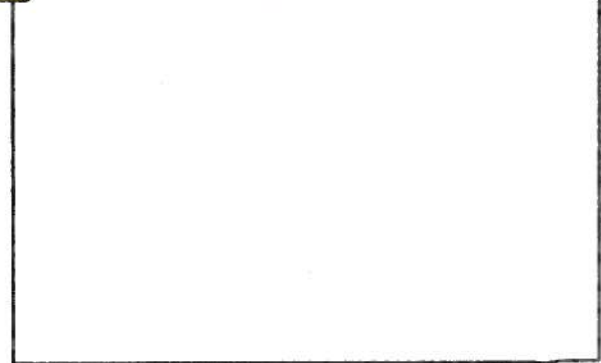
2 Color The quadrilateral shapes (4 sides) :



3 Draw a shape with 5 sides



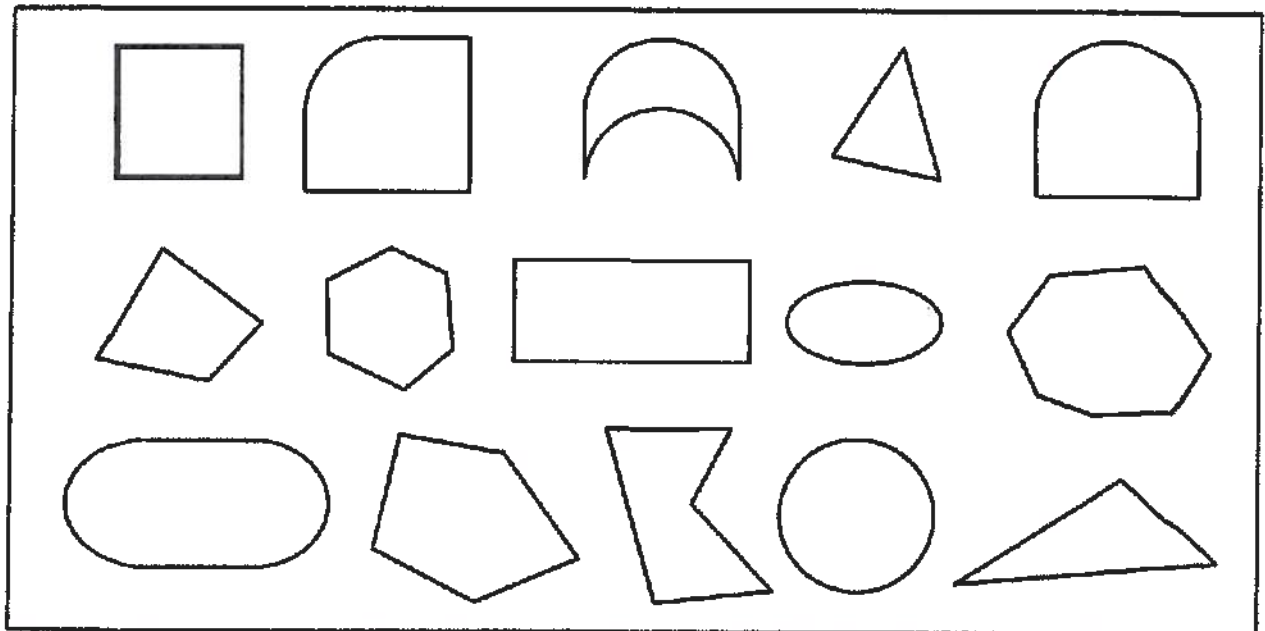
4 Draw a shape with 3 sides



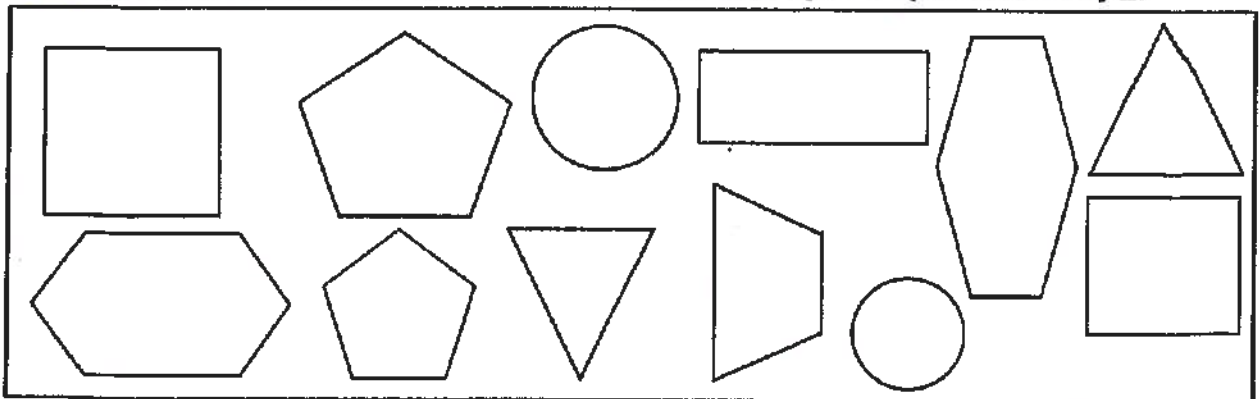
5 Complete :

- a** The triangle has sides , angles and vertices.
- b** The has 5 sides and has 6 sides.
- c** The octagon has angles and the has 7 sides.
- d** The is a polygon that has 4 sides

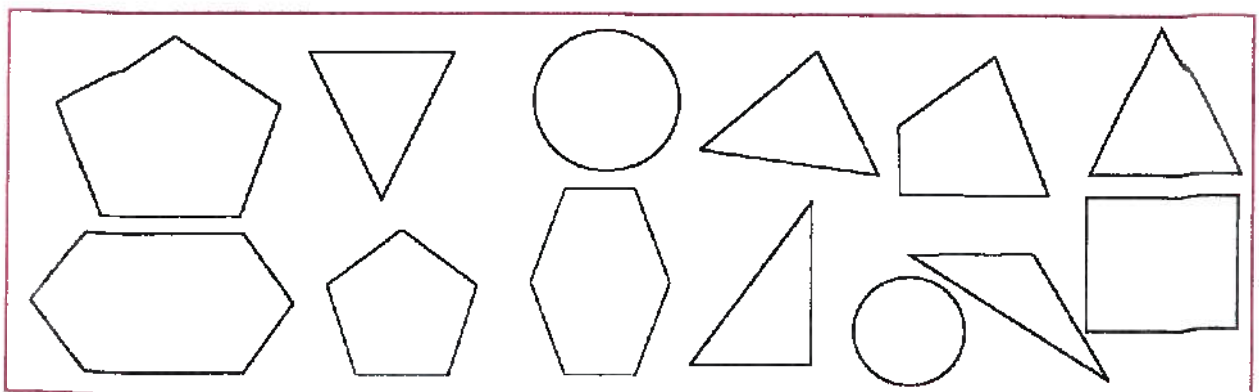
1 Color only polygons :



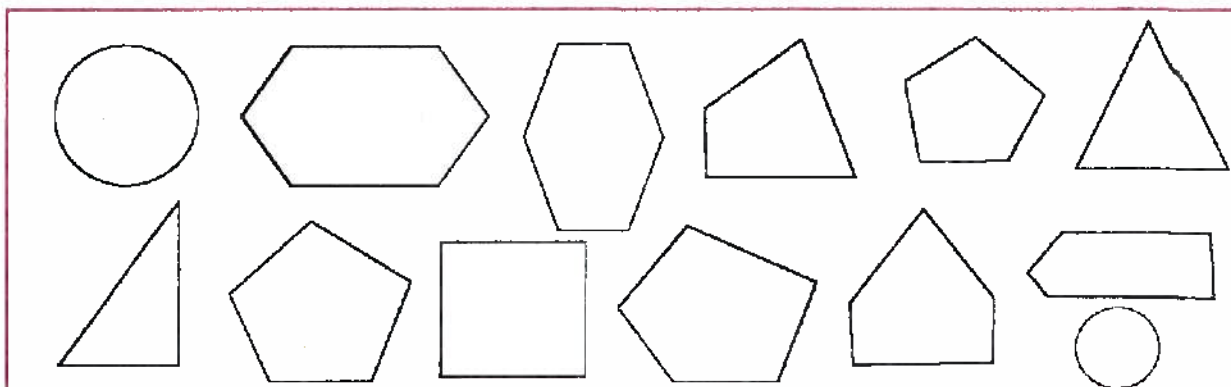
2 a Color The quadrilateral shapes (4 sides) :



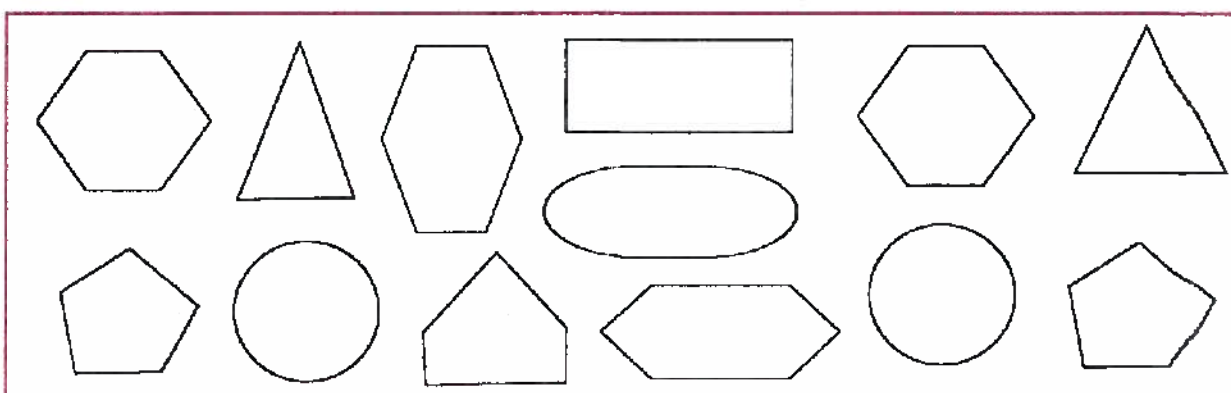
b Color the triangles (3 sides)



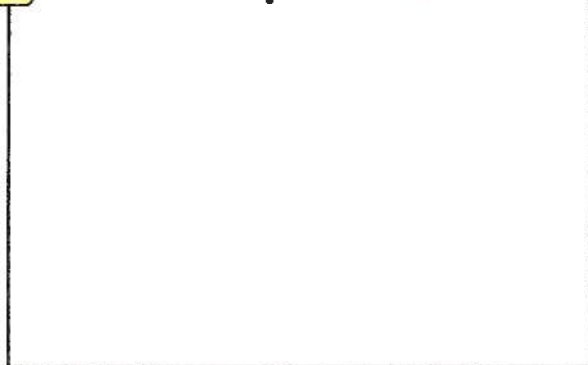
c Color the pentagon (5 sides)



d Color the pentagon (6 sides)



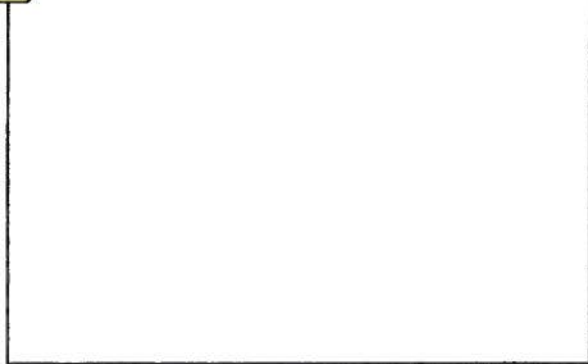
3 Draw a shape with 3 sides



4 Draw a shape with 4 sides



5 Draw a shape with 5 sides



6 Draw a shape with 6 sides



7 Complete :

- a** The triangle has sides , angles and vertices.
- b** The octagon has sides , angles and vertices.
- c** The pentagon has sides , angles and vertices.
- d** The hexagon has sides , angles and vertices.
- e** The has 5 sides and has 6 sides.
- f** The has 7 sides and has 3 sides.
- g** The octagon has angles and the has 7 angles
- h** The triangle has angles and the has 4 angles

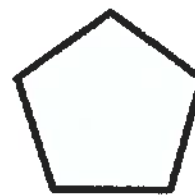
8 Write down the name of each polygon



.....



.....



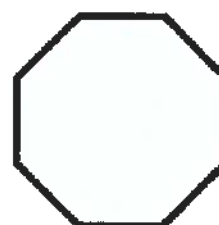
.....



.....



.....



.....

First Choose the correct answer

- a 10 thousands + 10 hundreds + 10 tens =
(101 010 or 11 100 or 10 110)
- b $8 + 8 + 8 + 8 =$ (8×8 or $8 + 4$ or 8×4)
- c The quadrilateral has sides (3 or 4 or 5)
- d $50 \text{ cm} + 5 \text{ mm} =$ mm (505 or 55 or 10)
- e An hour + 10 minutes = minutes (110 or 130 or 70)

Second Complete the following

- a The polygon that has 5 angles is called
- b 150 minutes = hours + minutes .
- c $2015 \text{ cm} =$ m + cm
- d The smallest 5-digit number that can be formed from the digit (3 , 8 and 7) is
- e 70 , 63 , 56 , 49 , , ,

Third Answer the following

- a Find the result :

(1) $456 + 234 =$ (3) $40 \times 8 =$

(2) $6\,000 - 125 =$ (4) $56 \div 7 =$

- b Write the time shown in the clock :



- c Each pen cost LE 9 . How many pens can you buy for LE 63 ?

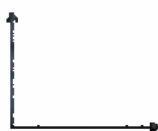
LESSON 5

Quadrilaterals

Types of angles



Acute angle



Right angle



Obtuse angle

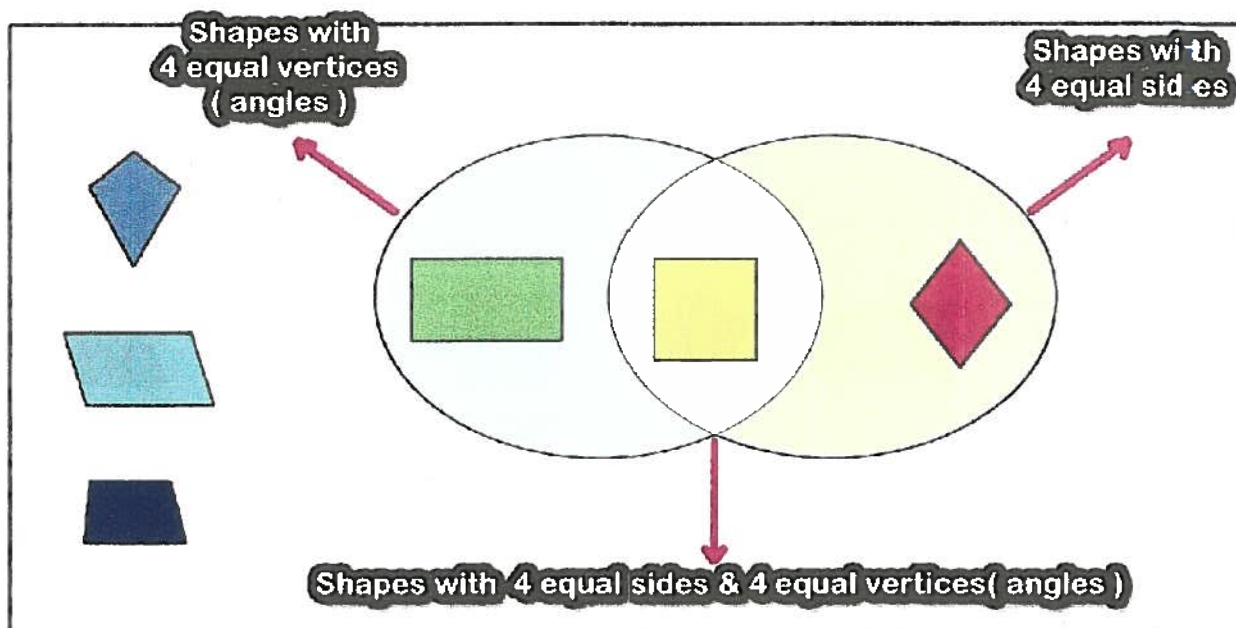


Straight angle

Quadrilateral	Properties	
	Sides	Angles
 Parallelogram	Each Two opposite sides are equal and parallel	Each two opposite angles are equal
 Rectangle	Each Two opposite sides are equal and parallel	All angles are equal each angle is right angle
 Square	Each Two opposite sides are parallel All sides are equal	All angles are equal each angle is right angle
 Rhombus	Each Two opposite sides are parallel All sides are equal	Each two opposite angles are equal
 Trapezium Trapezoid	Only one pair of opposite sides are parallel	
 Kite	Two pairs of adjacent sides are equal	One pair of opposite angles are equal

QUADRILATERAL is a polygon that has 4 sides , 4 vertices and 4 angles

Quadrilateral venn diagram:



1 Match each quadrilateral to its name :

Kite

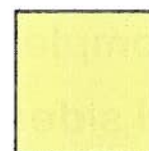
Parallelogram

Trapezoid

Rectangle

Rhombus

square



2 Match each quadrant with a compatible property :

a Each two opposite sides are equal



b Each Two opposite angles are equal



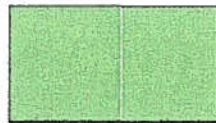
c All sides are equal in length



3 Complete

- a** All sides are equal in and.....
- b** All angles are equal in and.....
- c** has only one pair of opposite sides are parallel.
- d** two pairs of adjacent sides are equal and one pair of opposite angles are equal

1 Write the name of each quadrilateral :



.....

.....

.....



.....

.....

.....

2 Match each quadrilateral to its name :

Kite

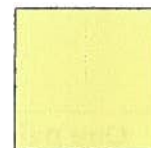
Parallelogram

Trapezoid

Rectangle

Rhombus

square



3 Match each quadrant with a compatible property :



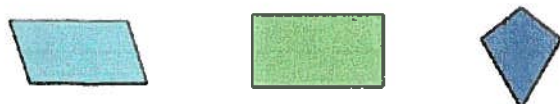
a

Each Two opposite sides
are parallel and
All sides are equal



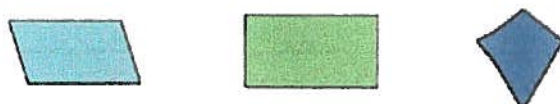
b

Each Two opposite sides
are equal and parallel



c

All angles are equal
each angle is right angle



d

Each two opposite angles
are equal



e

One pair of opposite
angles are equal and
Two pairs of adjacent
sides are equal



f

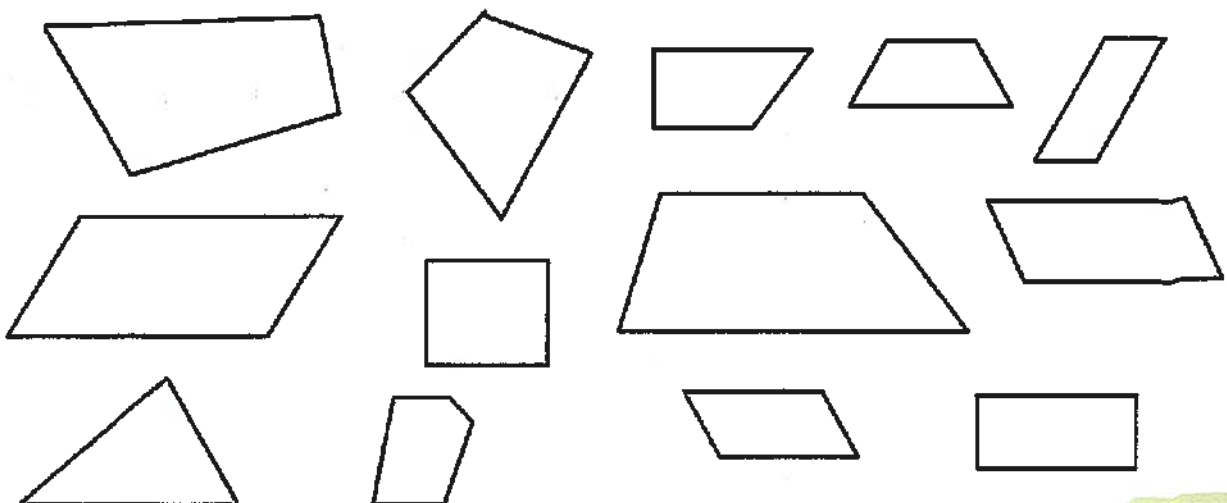
Only one pair of opposite
sides are parallel



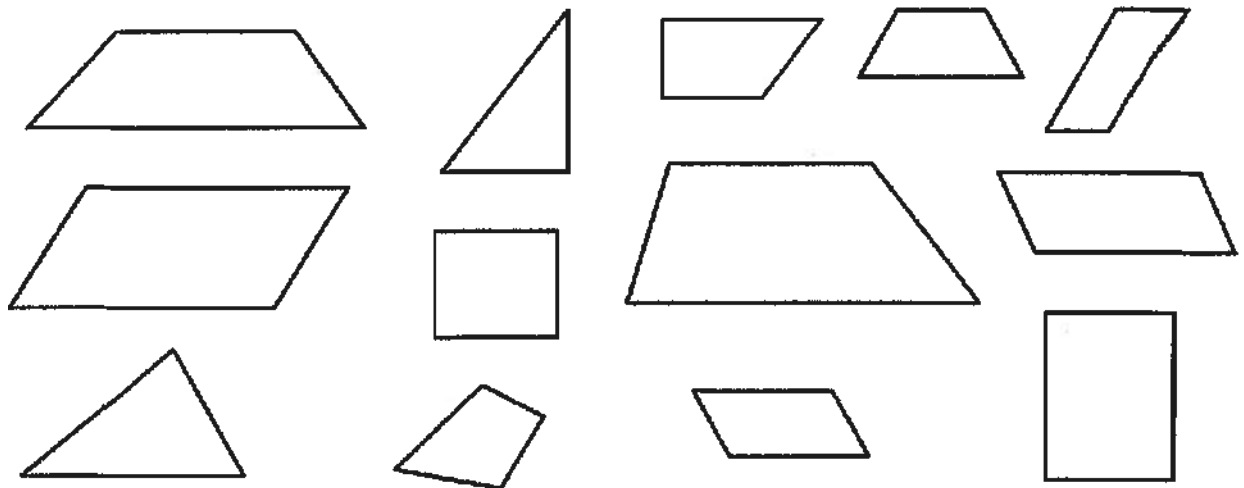
4 Complete :

- a** The quadrilateral is a polygon that has sides.
- b** Each two opposite sides are equal and parallel in , , ,
- c** All sides are equal in and
- d** All angles are equal in and
- e** Only one pair of opposite sides are parallel in
- f** Two pairs of adjacent sides are equal in
- g** In the parallelogram each two opposite sides are
- h** In the rectangle all angles are
- i** In the square all sides are and all angles are
- j** In the rhombus , only one pair of opposite sides are
- k** In the kite two pairs of adjacent sides are

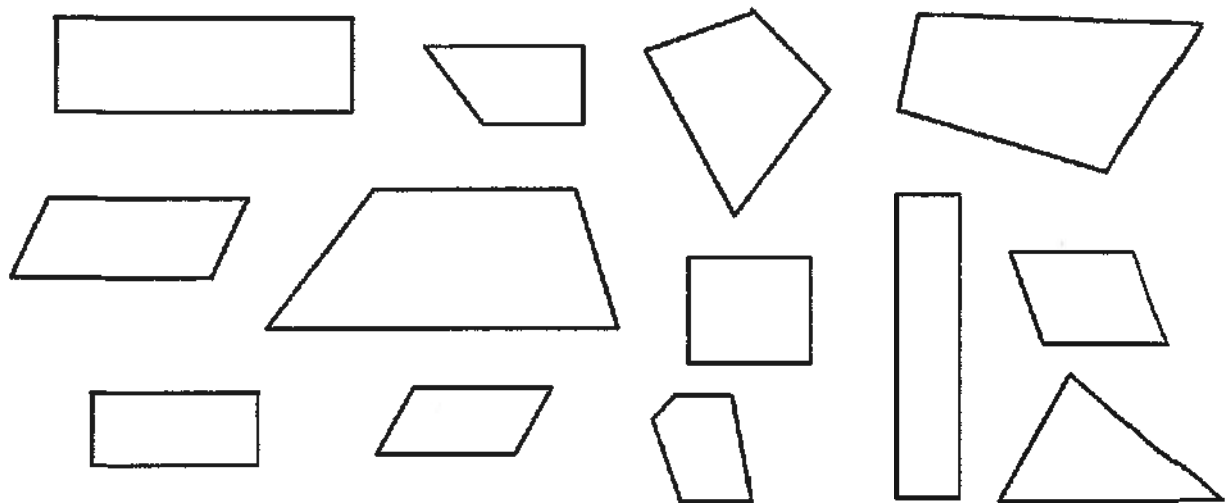
5 Color the parallelograms :



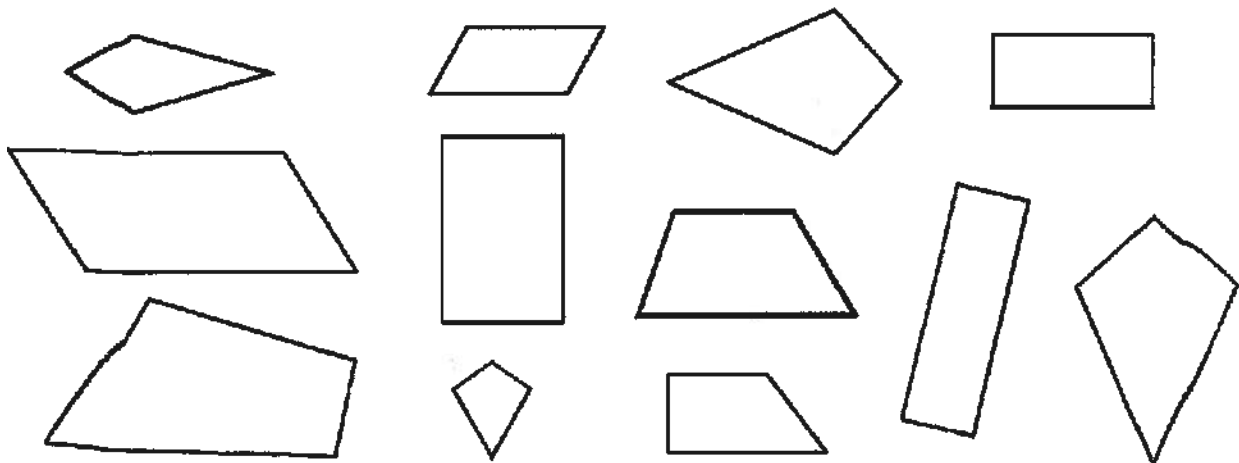
6 Color the trapezium :



7 Color the Rectangles :



8 Color the kite :



First Choose the correct answer

- a Each two opposite sides are parallel in
(Square or Trapezium or Kite)
- b The quadrilatera hasangles (3 or 4 or 5)
- c $9 + 9 + 9 + 9 + 9 = \dots\dots\dots$ (9×9 or 9×5 or $9 + 5$)
- d $9 \times 10 + 9 \times 7 = 9 \times \dots\dots\dots$ (10 or 7 or 17)
- e The value of the digit 5 in the number 50 112 is
(50 000 or 5 000 or 500)

Second Complete the following

- a 45 thousands + 10 hundreds + 5 ones =
- b The has 6 sides.
- c All angles are right angles in and
- d An hour and a half = + =
- e 205 cm = m + cm

Third Answer the following

- a Find the result :
 - (1) $560 - 359 = \dots\dots\dots$
 - (2) $72 \div 9 = \dots\dots\dots$
 - (3) $8 \times 50 = \dots\dots\dots$
 - (4) $50\,000 + 500 + 5 = \dots\dots\dots$

- b Write the name of each quadrilateral :



.....

.....

.....

.....

- c Each week has 7 days , How many days are there in 8 weeks ?

..... \times =

LESSON 6

The Area

The amount of two-dimensional units occupied by the figure.
The number of square units in which the shape is formed

Example

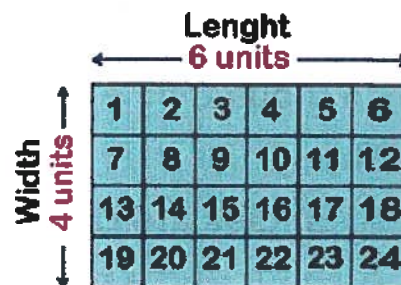
The area = **9** square units
(Counting strategy)



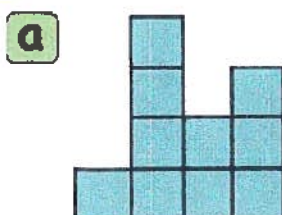
square units

The area = **24** square units
(Counting strategy)

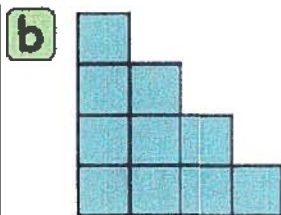
The area = **6 X 4 = 24** square units
(Length X width strategy)



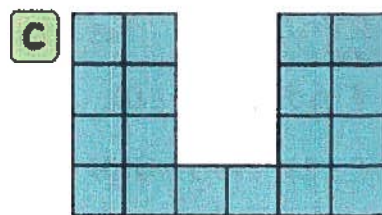
1 Find the area of each shape :



The area =
square units



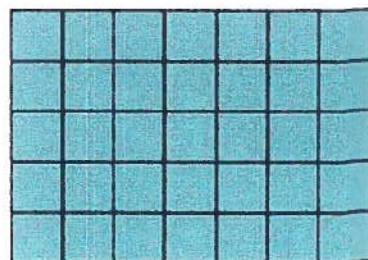
The area =
square units



The area =
square units

d The area = square units

The area = X = square units



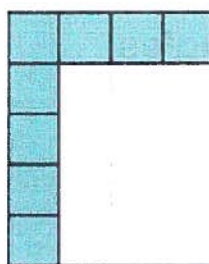
e The area = square units

The area = X = square units



2 Find the area of each shape :

a

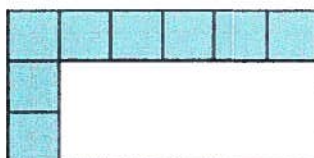


The area

= X

= square
units

b

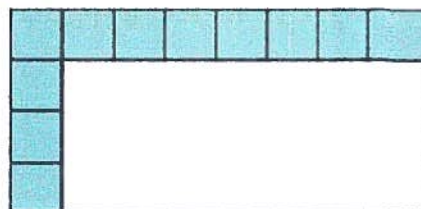


The area

= X

= square
units

c



The area

= X

= square
units

3 Heba has two rectangular gardens, one for lettuce and one for squash.

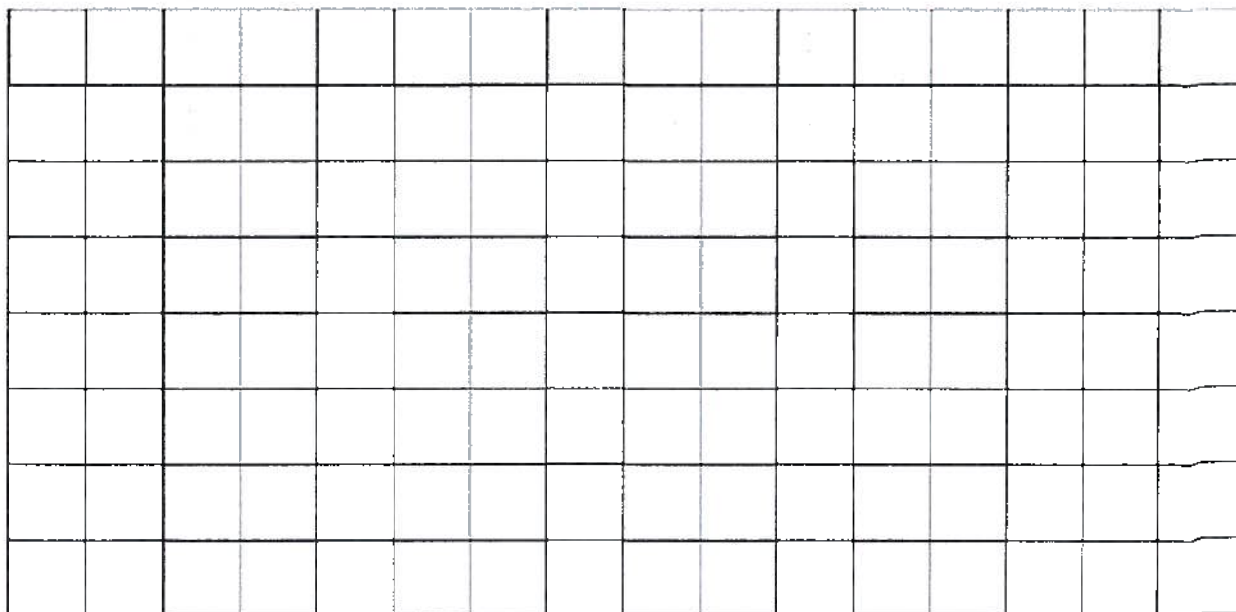
The squash takes up 12 square units and the lettuce takes up 10 square units. What could her gardens look like?

(Remember, the gardens are rectangles with the same number of square units in each row.)

Draw the gardens below. They must fit on the grid paper

$$12 = \dots \times \dots$$

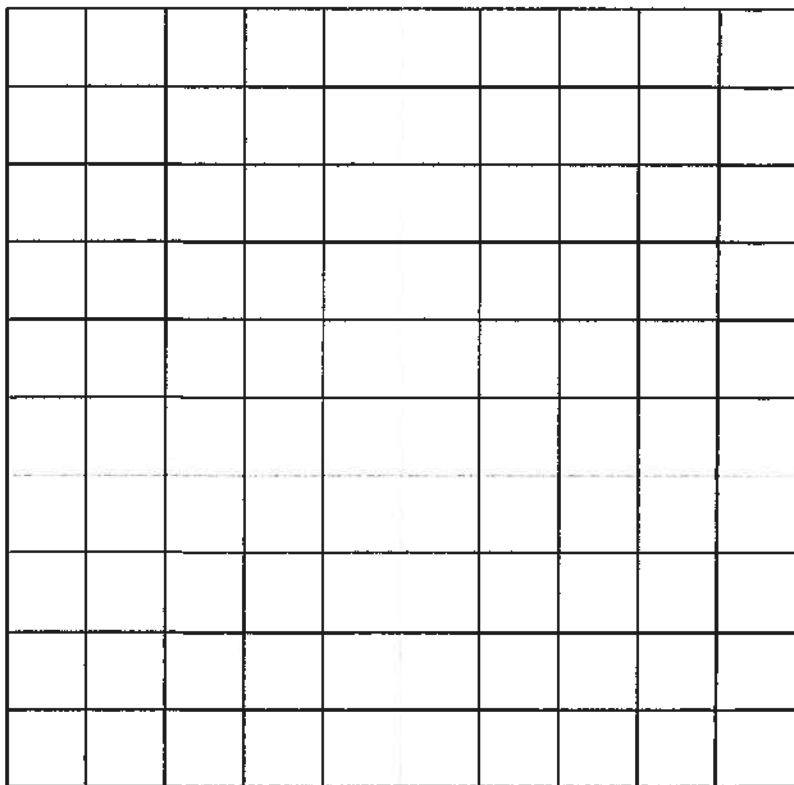
$$10 = \dots \times \dots$$



- 4** On the grid below, draw and label as many rectangles as you can with the given area.
Then write equations that match your rectangles.

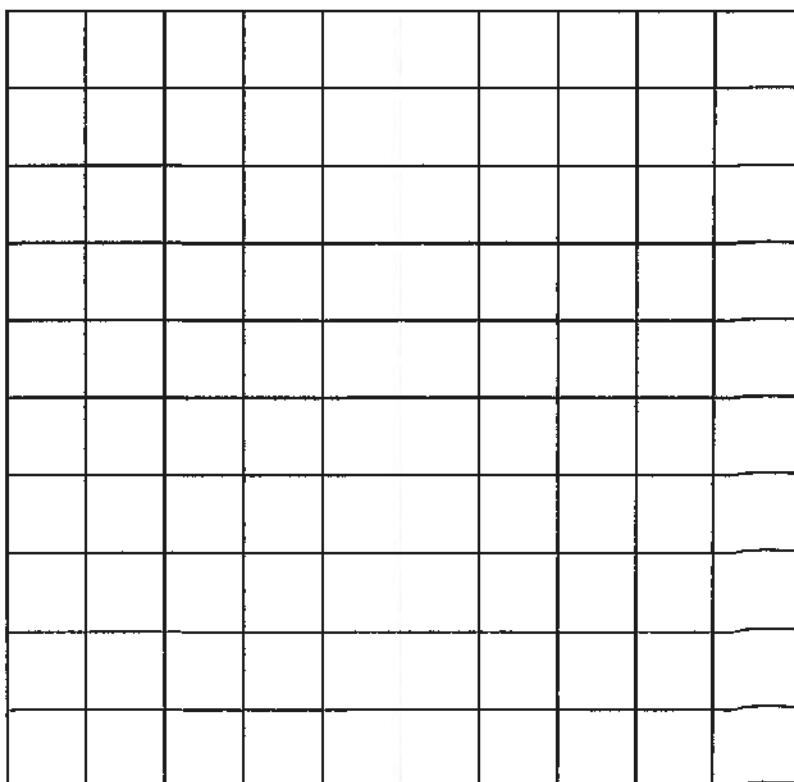
a 18 square units

.....
.....
.....
.....
.....



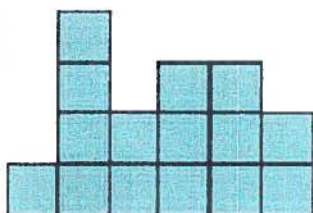
b 24 square units

.....
.....
.....
.....
.....



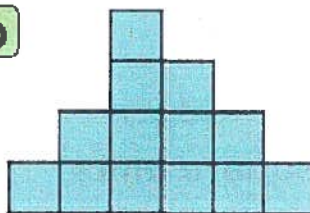
1 Find the area of each shape :

a



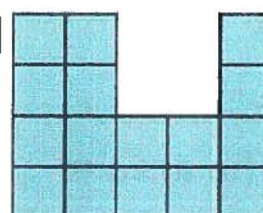
The area =
square units

b



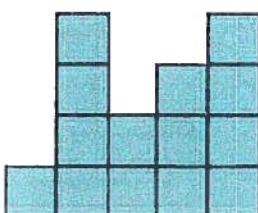
The area =
square units

c



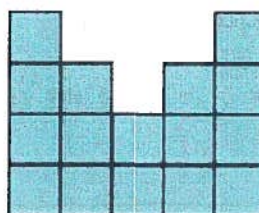
The area =
square units

d



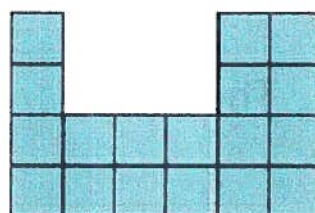
The area =
square units

e



The area =
square units

f

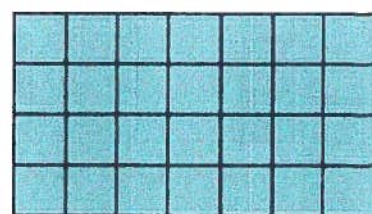


The area =
square units

g

The area = square units

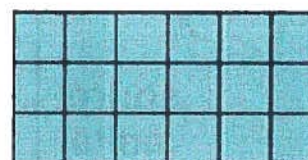
The area = X = square units



h

The area = square units

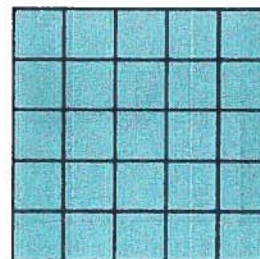
The area = X = square units



i

The area = square units

The area = X = square units



j

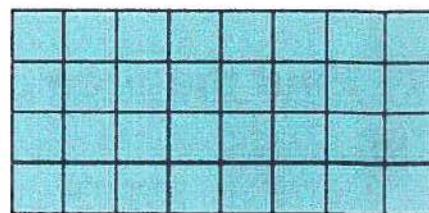
The area = square units

The area = X = square units



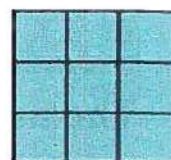
k The area = square units

The area = X = square units



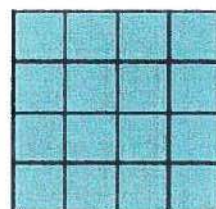
l The area = square units

The area = X = square units

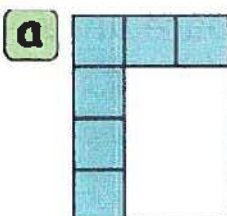


m The area = square units

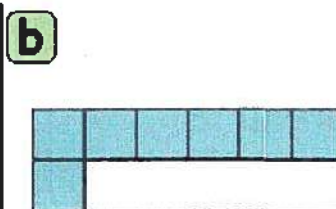
The area = X = square units



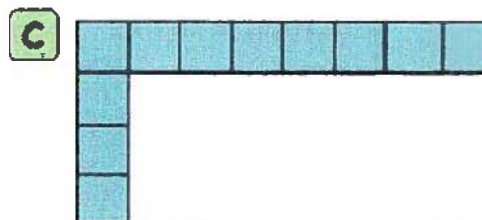
2 Find the area of each shape :



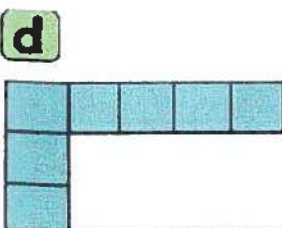
The area
= X
= square units



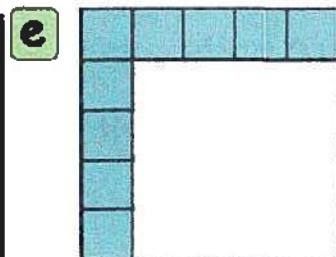
The area
= X
= square units



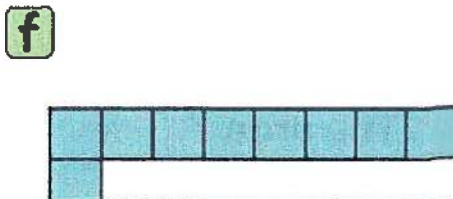
The area
= X
= square units



The area
= X
= square units

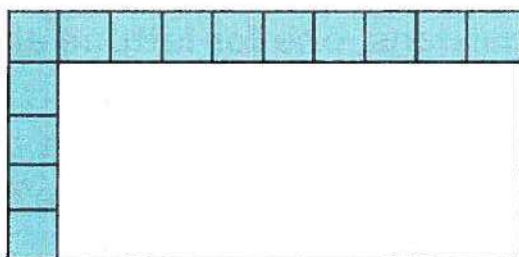


The area
= X
= square units



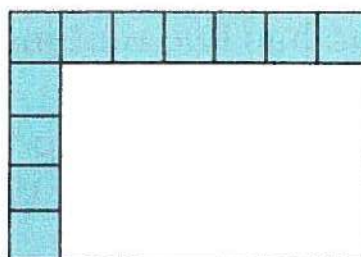
The area
= X
= square units

g



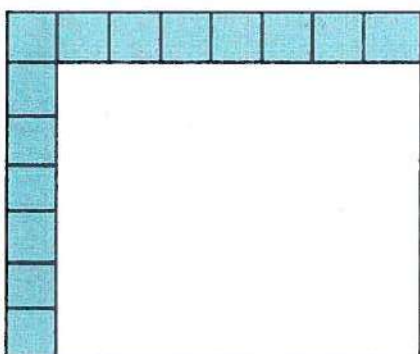
The area = X
= square units

h



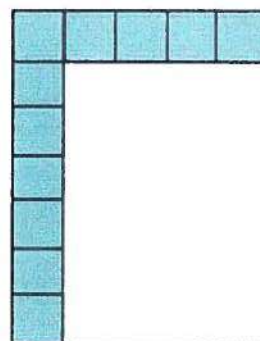
The area = X
= square units

i



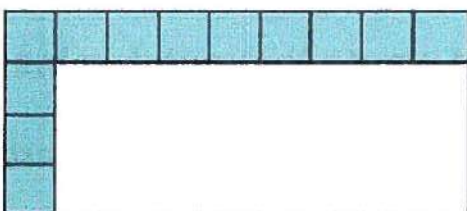
The area = X
= square units

j



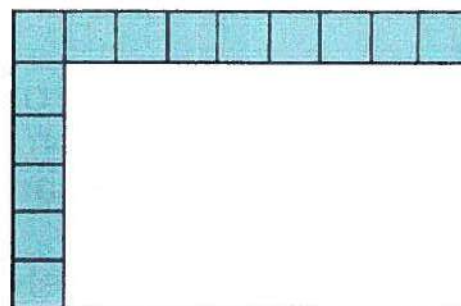
The area = X
= square units

k



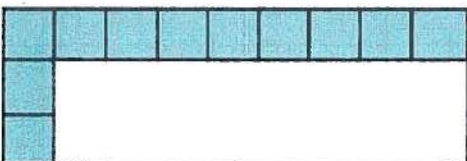
The area = X
= square units

l



The area = X
= square units

m



The area = X
= square units

n



The area = X
= square units

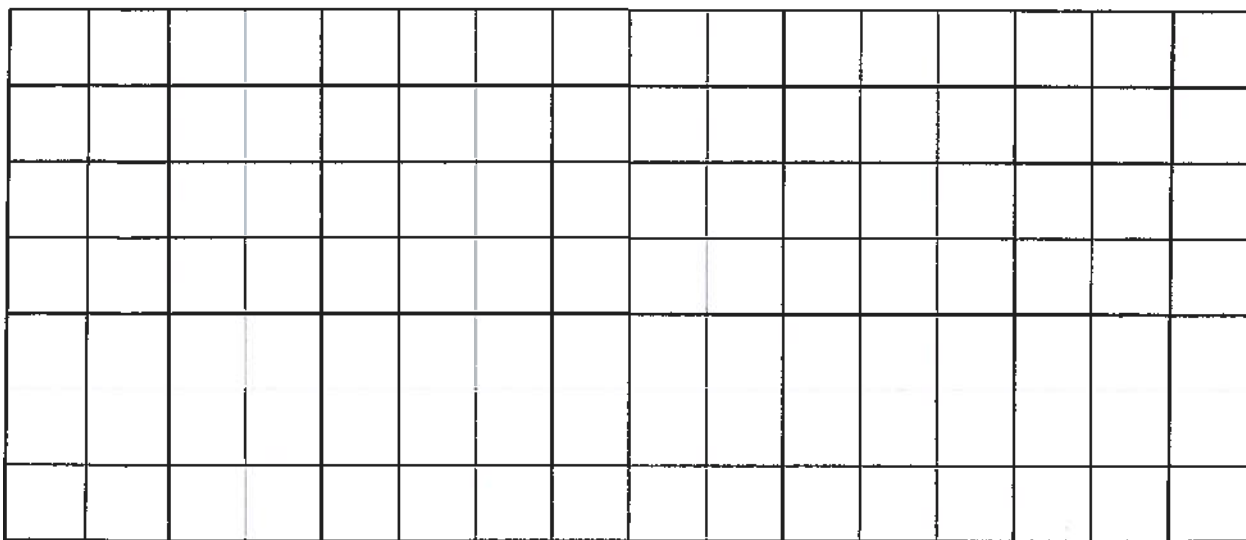
- 3** Heba has two rectangular gardens, one for lettuce and one for squash.
The squashtakes up 15 square units and the lettuce takes up 18 square units. What could hergardens look like?

(Remember, the gardens are rectangles with the same number of square units in each row.)

Draw the gardens below. They must fi t on the grid paper

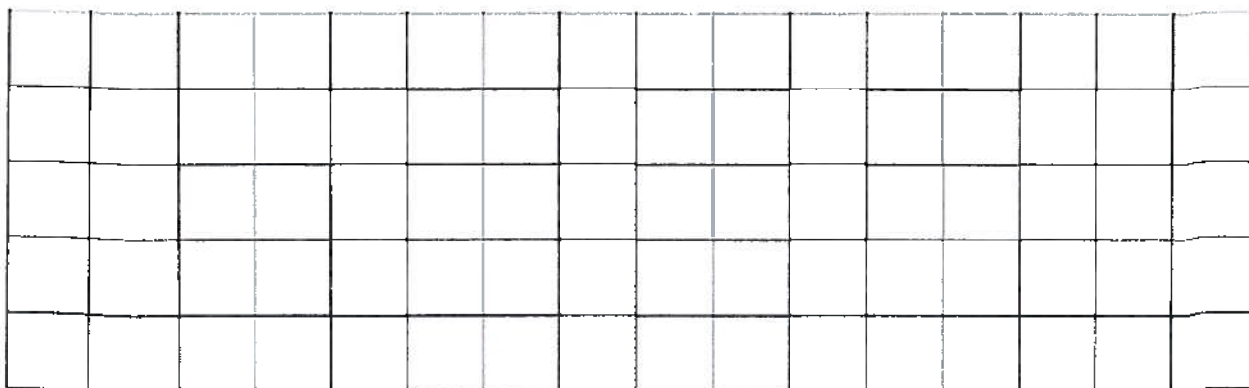
$$15 = \dots \times \dots$$

$$18 = \dots \times \dots$$



- 4** Youssef loves watermelon and wants to plant it in his garden. Watermelon needs 1 square unit of space. He would like the garden to have 4 rows with 6 square units in each row.
How many watermelons can Youssef fit in his garden?
What is the area of his garden in square units?

$$\dots \times \dots = \dots$$

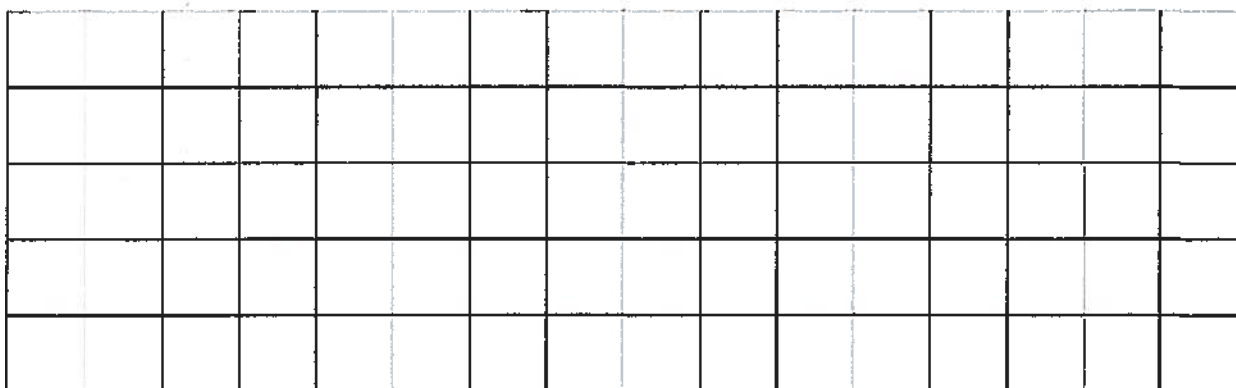


- 5** Omar wants to plant corn. Corn needs 1 square unit of space. He would like the garden to have 3 rows with 7 square units in each row.

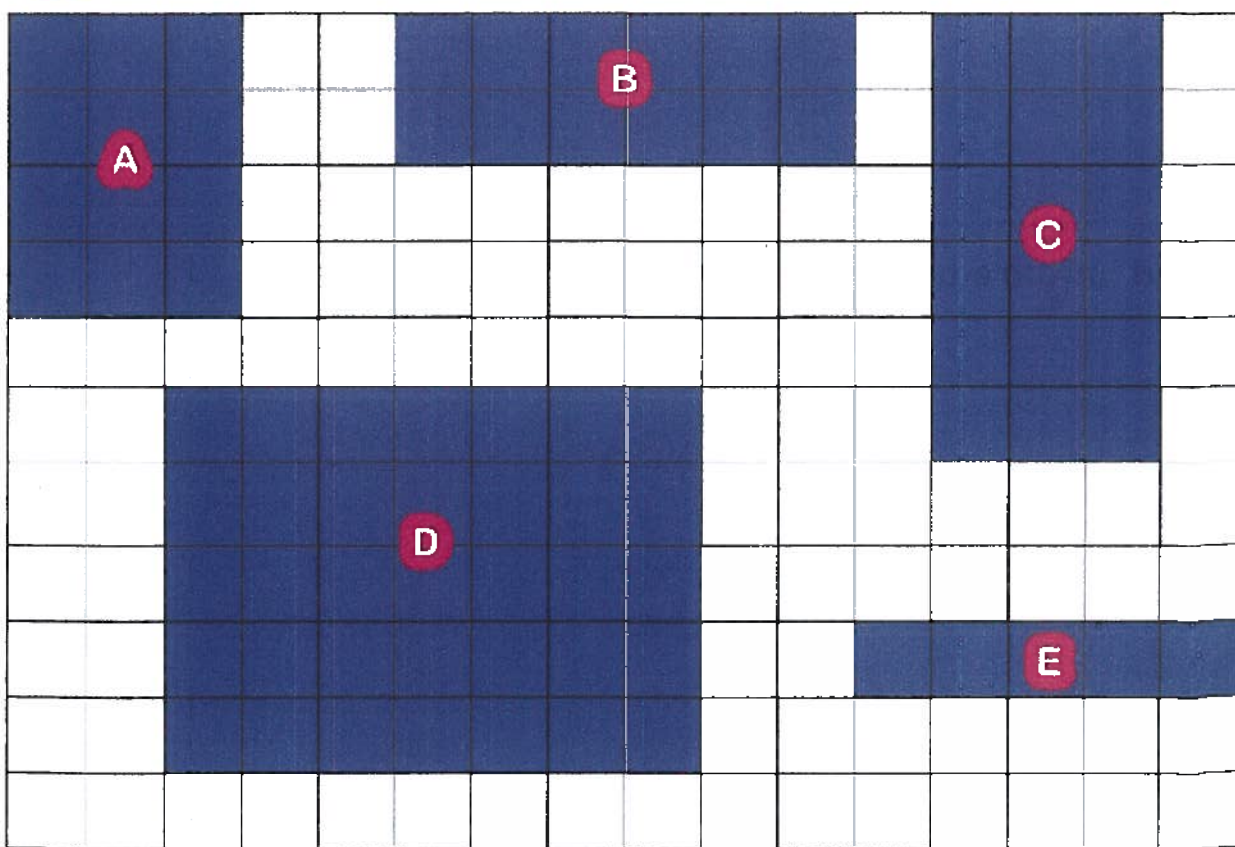
How much corn can Omar fit in his garden?

What is the area of his garden in square units?

$$\dots \times \dots = \dots$$



- 6** Determine the total area of the following shapes.



$$\begin{array}{ccccc} \text{A} & \text{B} & \text{C} & \text{D} & \text{E} \\ (\dots \times \dots) & + & (\dots \times \dots) & + & (\dots \times \dots) & + & (\dots \times \dots) & + & (\dots \times \dots) \end{array}$$

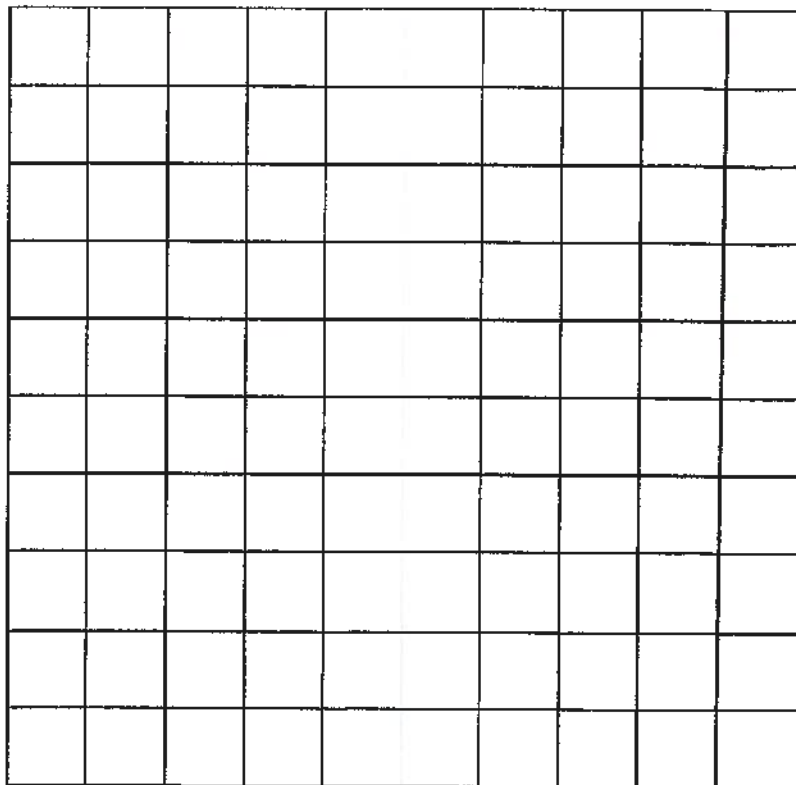
$$= \dots + \dots + \dots + \dots + \dots = \dots$$

7 On the grid below, draw and label as many rectangles as you can with the given area.

Then write equations that match your rectangles.

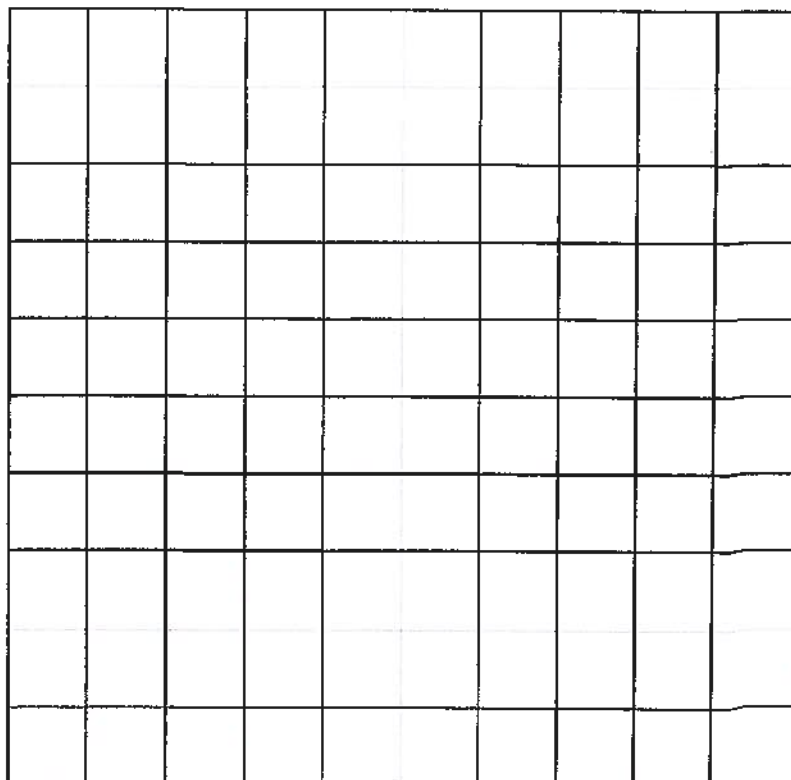
a 30 square units

.....



b 24 square units

.....



c 20 square units

.....

.....

.....

.....

.....

.....

d 12 square units

.....

.....

.....

.....

e 18 square units

.....

.....

.....

.....

.....



First Choose the correct answer

- a** Nine thousand and ninety = (9 090 or 90 090 or 900 090)
- b** The rhombus has angles (3 or 4 or 5)
- c** An hour and a half = minutes (75 or 80 or 90)
- d** $5 \times 4 = \dots\dots\dots$ ($5 + 5 + 5 + 5 + 5$ or $4 + 4 + 4 + 4$ or $10 + 10$)
- e** The largest 6-digit number is
(999 999 or 987 654 or 900 000)

Second Complete the following

- a** 5 tens + 45 thousands + 5 hundreds =
- b** The pentagon has sides
- c** 207 mm = cm + mm
- d** In the square , all angles are in measure.
- e** 27 , 36 , 45 , 54 , , ,

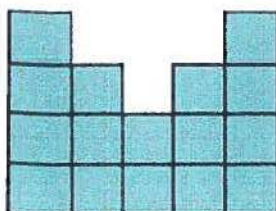
Third Answer the following

- a** Complete using < , = or > :

- (1) 6×7 5×8 (3) 2 hours 100 minutes
- (2) 7 856 7 586 (4) 20 cm 200 mm

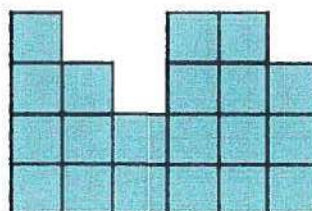
- b** Find the area of each shape :

(1)



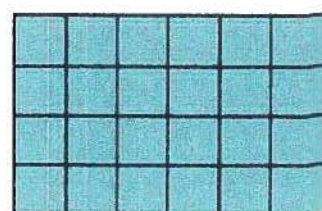
The area =
square units

(2)



The area =
square units

(3)



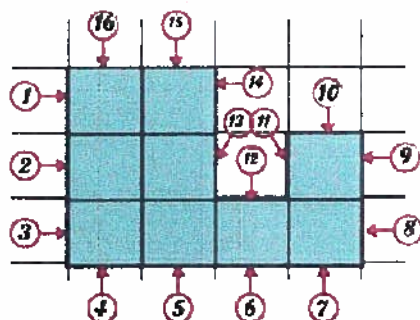
The area =
square units

LESSON 7

The perimeter

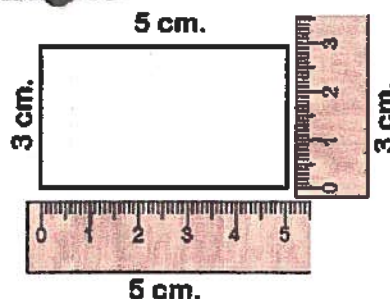
The perimeter of any polygon equals the sum of its sides length

Example



The perimeter = 16 liner unit

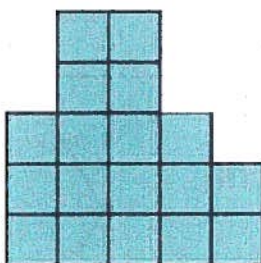
Example



The perimeter = $5 + 3 + 5 + 3$
= 16 cm

1 Find the area and the perimeter of each shape :

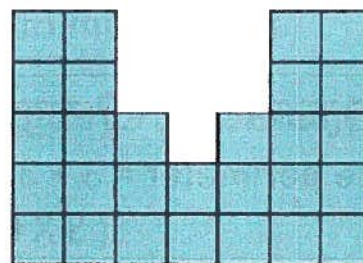
a



The area = square unit

The perimeter = liner unit

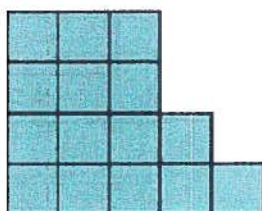
b



The area = square unit

The perimeter = liner un it

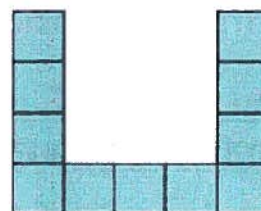
c



The area = square unit

The perimeter = liner unit

d



The area = square unit

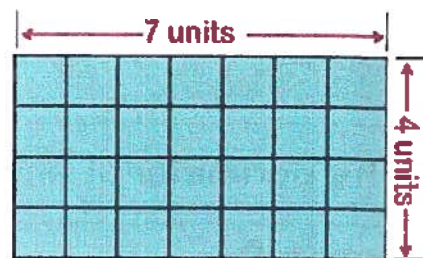
The perimeter = liner un it

e The area = X

= square unit

The perimeter = + + +

= liner unit

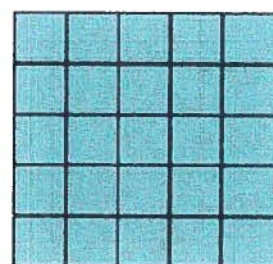


f The area = X

= square unit

The perimeter = + + +

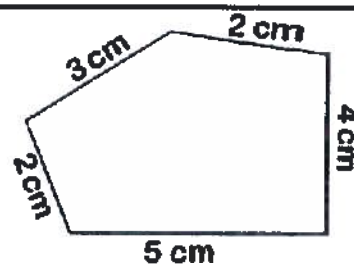
= liner unit



The perimeter of any polygon:

The perimeter = $5 + 4 + 2 + 3 + 2 = 12$ cm

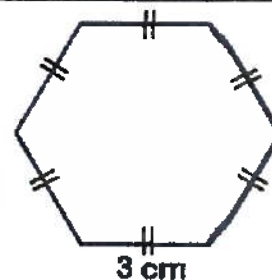
The perimeter of any polygon
equals sum of sides length.



The perimeter of regular polygons:

The perimeter = $3 + 3 + 3 + 3 + 3 + 3 = 18$ cm
($3 \times 6 = 18$ cm)

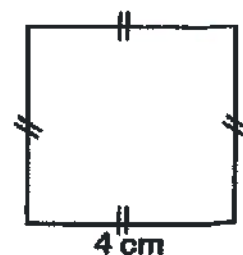
The perimeter of a regular polygon
= The side length X the number of sides



The perimeter of the square:

The perimeter = $5 + 5 + 5 + 5 = 20$ cm
($5 \times 4 = 18$ cm)

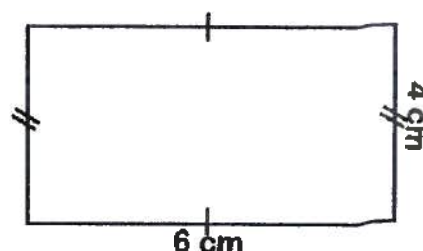
The perimeter of the square
= The side length X 4



The perimeter of the rectangle:

The perimeter = $6 + 4 + 6 + 4 = 20$ cm
[$(6 + 4) \times 2 = 20$ cm]

The perimeter of the reactangle
= (Length + width) X 2

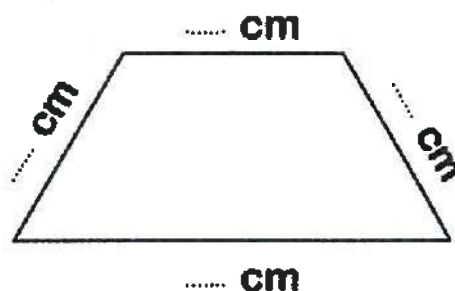


2 Use your ruler to measure each of the side lengths of the following then find the perimeter

a The perimeter

$$= \dots + \dots + \dots + \dots$$

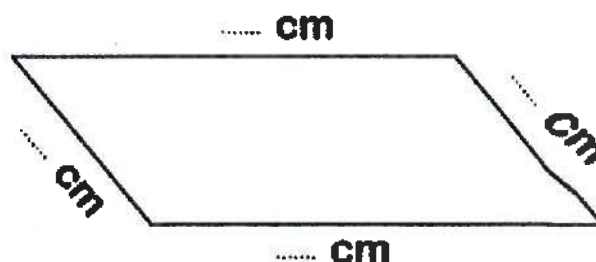
$$= \dots \text{ cm}$$



b The perimeter

$$= \dots + \dots + \dots + \dots$$

$$= \dots \text{ cm}$$



The area and the perimeter of the rectangle:

The area = length X width

$$= 4 \times 2 = 8 \text{ square centimeter}$$

The perimeter = (length + width) X 2

$$= (4 + 2) \times 2 = 12 \text{ cm}$$



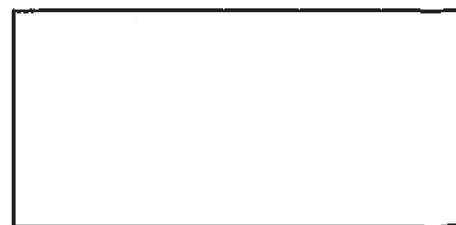
3 Find the area and the perimeter of the following :

a The area =

$$= \dots$$

The perimeter =

$$= \dots$$

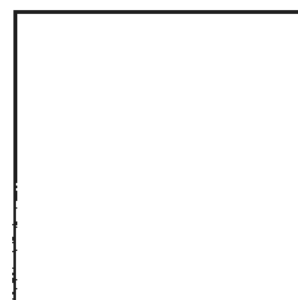


b The area =

$$= \dots$$

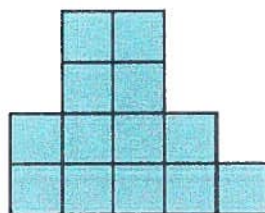
The perimeter =

$$= \dots$$



1 Find the area and the perimeter of each shape :

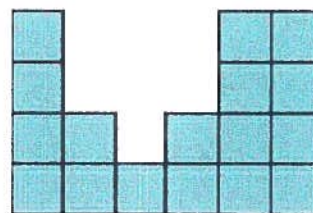
a



The area = square unit

The perimeter = liner unit

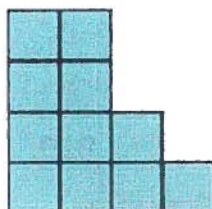
b



The area = square unit

The perimeter = liner unit

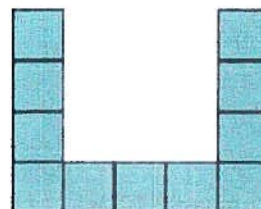
c



The area = square unit

The perimeter = liner unit

d



The area = square unit

The perimeter = liner unit

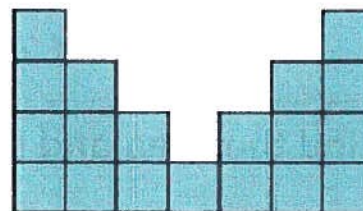
e



The area = square unit

The perimeter = liner unit

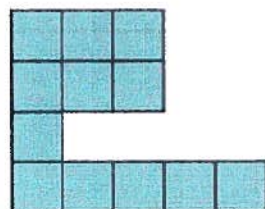
f



The area = square unit

The perimeter = liner unit

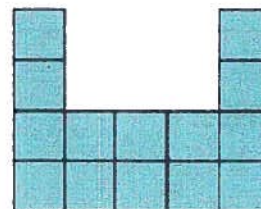
g



The area = square unit

The perimeter = liner unit

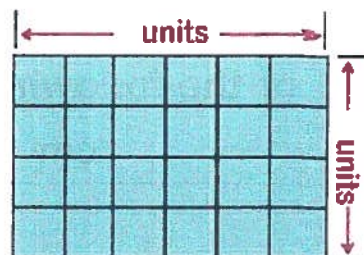
h



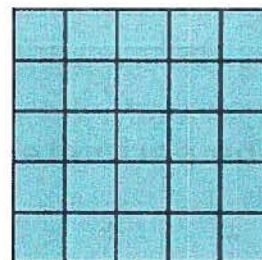
The area = square unit

The perimeter = liner unit

i The area = X
 = square unit
 The perimeter = + + +
 = liner unit



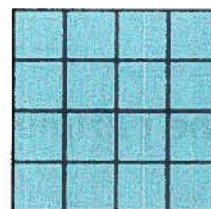
j The area = X
 = square unit
 The perimeter = + + +
 = liner unit



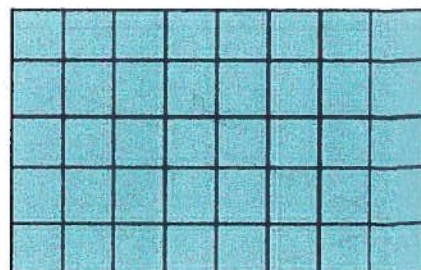
k The area = X
 = square unit
 The perimeter = + + +
 = liner unit



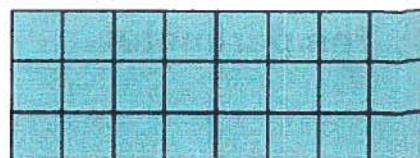
l The area = X
 = square unit
 The perimeter = + + +
 = liner unit



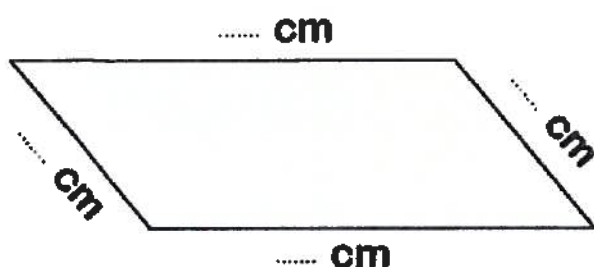
m The area = X
 = square unit
 The perimeter = + + +
 = liner unit



n The area = X
 = square unit
 The perimeter = + + +
 = liner unit



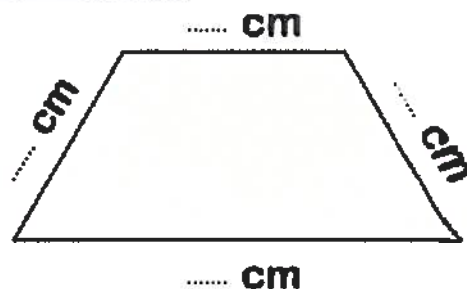
2 Use your ruler to measure each of the side lengths of the following then find the perimeter



a The perimeter

$$= \dots + \dots + \dots + \dots$$

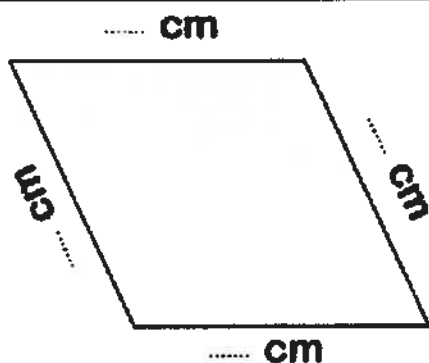
$$= \dots \text{ cm}$$



b The perimeter

$$= \dots + \dots + \dots + \dots$$

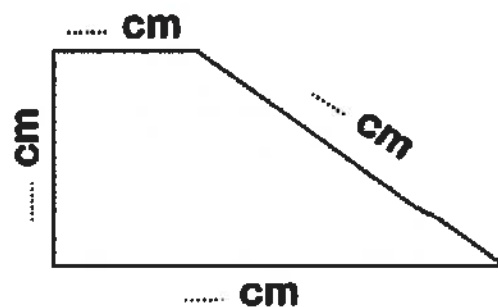
$$= \dots \text{ cm}$$



c The perimeter

$$= \dots + \dots + \dots + \dots$$

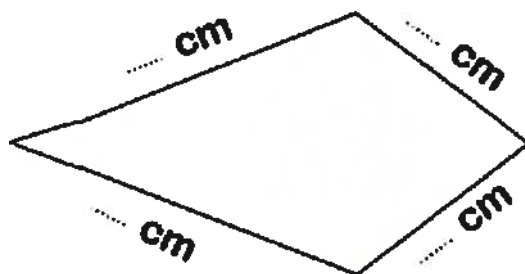
$$= \dots \text{ cm}$$



d The perimeter

$$= \dots + \dots + \dots + \dots$$

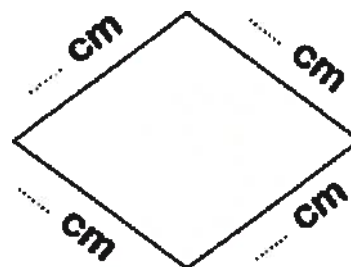
$$= \dots \text{ cm}$$



e The perimeter

$$= \dots + \dots + \dots + \dots$$

$$= \dots \text{ cm}$$

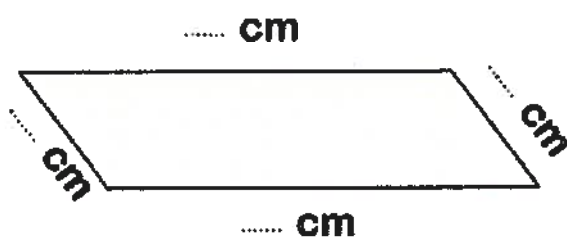


f The perimeter

$$= \dots + \dots + \dots + \dots$$

$$= \dots \text{ cm}$$

g

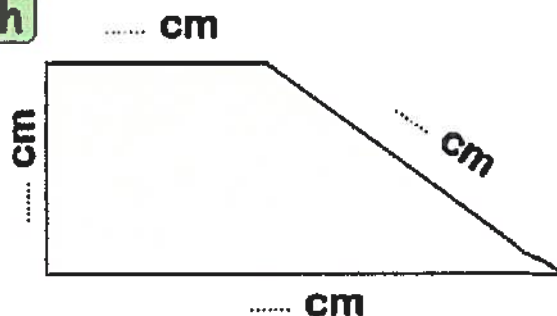


The perimeter

$$= \dots + \dots + \dots + \dots$$

$$= \dots \text{ cm}$$

h

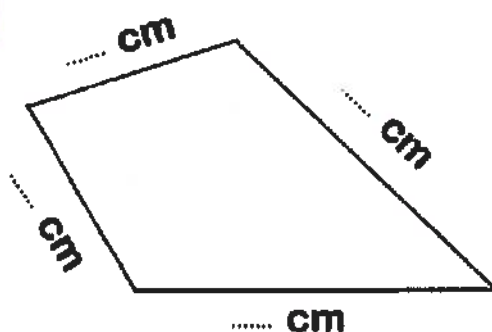


The perimeter

$$= \dots + \dots + \dots + \dots$$

$$= \dots \text{ cm}$$

i

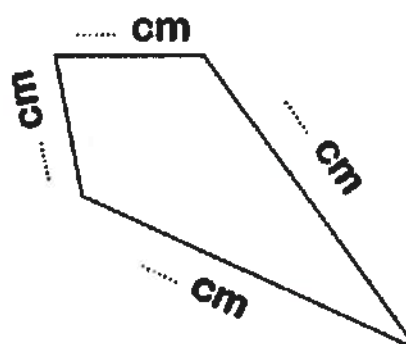


The perimeter

$$= \dots + \dots + \dots + \dots$$

$$= \dots \text{ cm}$$

j

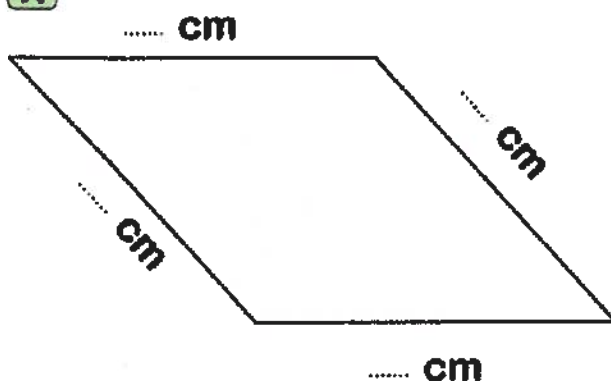


The perimeter

$$= \dots + \dots + \dots + \dots$$

$$= \dots \text{ cm}$$

k

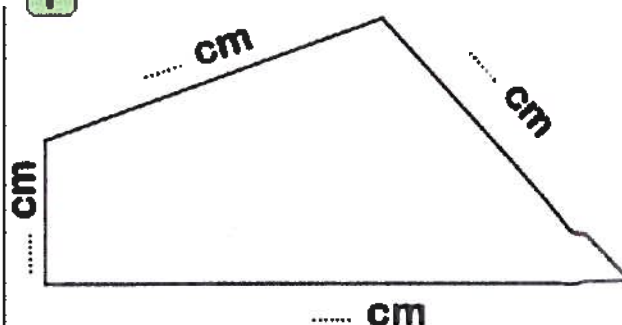


The perimeter

$$= \dots + \dots + \dots + \dots$$

$$= \dots \text{ cm}$$

l



The perimeter

$$= \dots + \dots + \dots + \dots$$

$$= \dots \text{ cm}$$

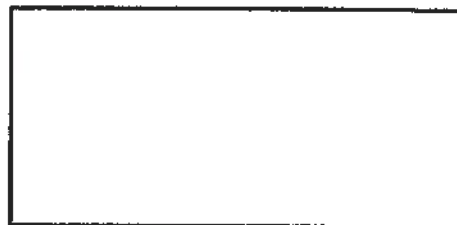
3 Find the area and the perimeter of the following :

a The area =

=

The perimeter =

=



b The area =

=

The perimeter =

=

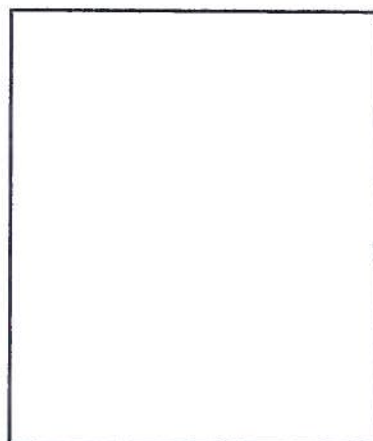


c The area =

=

The perimeter =

=

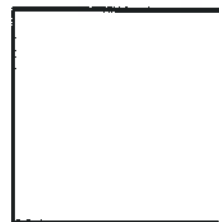


d The area =

=

The perimeter =

=

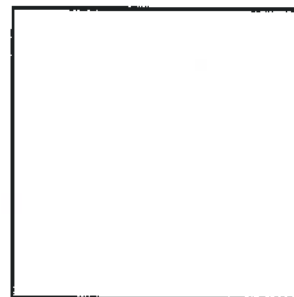


e The area =

=

The perimeter =

=



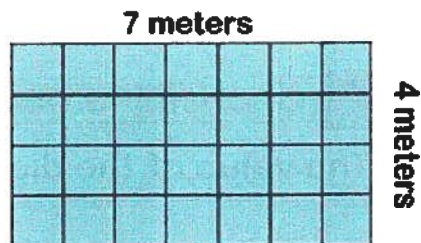
4 Find the area and the perimeter of the following :

a The area =

=

The perimeter =

=

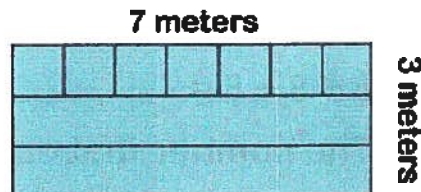


b The area =

=

The perimeter =

=

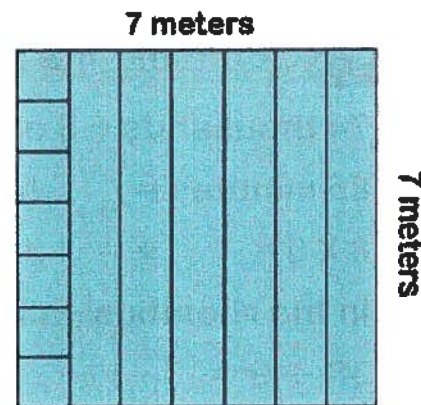


c The area =

=

The perimeter =

=

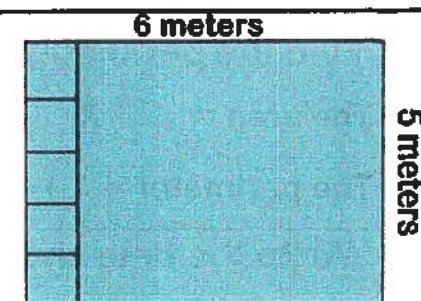


d The area =

=

The perimeter =

=

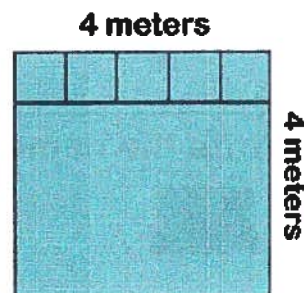


e The area =

=

The perimeter =

=





First Choose the correct answer

- a** The value of the digit 7 in the 25 748 is
(700 000 or 7 000 or 700)
- b** The number of sides of the pentagon is
(4 or 5 or 6)
- c** $8 + 8 + 8 = \dots\dots\dots$ ($8 + 3$ or 6×4 or 8×8)
- d** The number that comes right before 200 100 is
(200 000 or 100 100 or 200 099)
- e** $2 \text{ m} + 15 \text{ cm} = \dots\dots\dots \text{ cm}$ (215 or 35 or 2015)

Second Complete the following

- a** 74 thousands + 5 ones + 7 tens + 3 hundreds =
- b** 85 minutes = hour(s) + minutes.
- c** $8 \times 5 = \dots\dots + \dots\dots + \dots\dots + \dots\dots + \dots\dots$
- d** In the rhombus , all sides are
- e** $36 \div 9 = \dots\dots\dots$

Third Answer the following

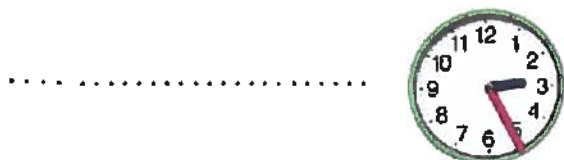
- a** Find the perimeter and the area of the opposit figure :

The area = \times = square unit

The perimeter = + + + = liner unit



- b** Write the time shown in the clock :



..... 

- c** Write the name of each shape :



LESSON 8

The Capacity

The amount of liquid that the container can contain

Units of capacity



6 L



2 L



1 L

Litre
L

Millilitre
ml



250 ml



125 ml



330 ml



1 Litre = 1000 millilitre

1 Circle the largest capacity container



2 Circle the smaller capacity container



3 What is better for measuring the volume of liquid in (capacity)? [Milliliter or liter]



Petrol in a car

Milliliter

Litre



Soda in a can

Milliliter

Litre



Spoonful of medicine

Milliliter

Litre



Dishwashing soap

Milliliter

Litre



Water in a bottle

Milliliter

Litre



Shampoo in a bottle

Milliliter

Litre



Juice in a juice box

Milliliter

Litre



Water in the bathtub

Milliliter

Litre



Perfume in a bottle

Milliliter

Litre

4 Complete the following :

a 1 litre = milliliters

c 2 liters = milliliters

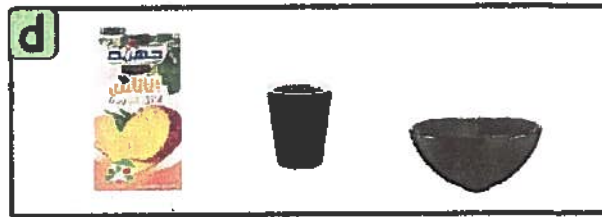
b 5 000 ml = litres

d 7 000 ml = litres

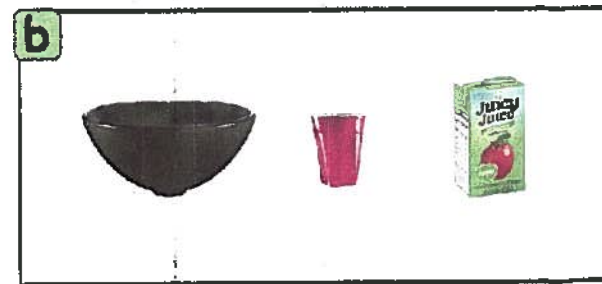
e To measure the capacity of the tea cup we use

f The litre is used to measure

1 Circle the largest capacity container



2 Circle the smaller capacity container



3 What is better for measuring the volume of liquid in (capacity)? [Milliliter or liter]



Milliliter

Litre



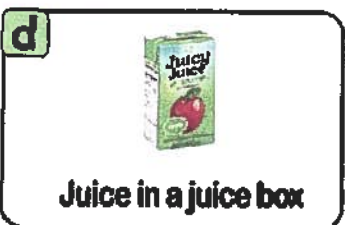
Milliliter

Litre



Milliliter

Litre



Milliliter

Litre



Milliliter

Litre



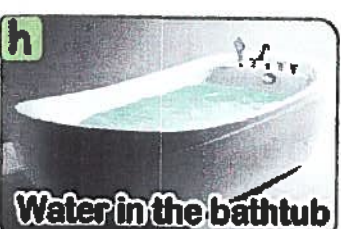
Milliliter

Litre



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Milliliter

Litre



Milliliter

Litre



Milliliter

Litre



Milliliter

Litre



Milliliter

Litre



Milliliter

Litre

Sheet 8

First Choose the correct answer

- a 8 liters = milliliter (8 000 or 800 or 80)
- b $7 + 7 + 7 + 7 =$ (7×4 or $7 + 4$ or 7×7)
- c $80 \times 3 =$ $\times 40$ (240 or 6 or 60)
- d The capacity of a cup of tea =
(6 litre or 800 ml or 200 ml)
- e is a unit of measuring capacity
(hour or meter or litre)

Second Complete the following

- a 9 000 milliliter = litre
- b The volume of water in the pool is measured by
- c The number that comes right after 99 999 is
- d $20 \text{ cm} + 7 \text{ mm} =$ mm
- e The smallest 5-different-digit number is

Third Answer the following

- a Find the result :

(1) $9 \times 13 =$ (2) $72 \div 8 =$

(3) $899 + 1\,001 =$ (4) $42 \div 6 =$

- b Each book costs LE 9 , How many books can you buy for LE 63.

- c Write the suitable unit (millilitre or litre) :



Coffee in a cup



Dishwashing soap



Soda in a can



Petrol in a car

General Exercises

First Choose the correct answer

- (1) Seven hundred thousand and seventy =
(700 070 or 700 017 or 770 000)
- (2) $5 + 20 + 400 + 7\ 000 = \dots\dots\dots$ (5 247 or 70 425 or 7 425)
- (3) 70 010 comes right after (79 999 or 70 099 or 70 009)
- (4)comes right before 2 000 (1 999 or 2 001 or 1 099)
- (5) 20 thousand + 75 tens =(2 075 or 20 075 or 20 750)
- (6) 60 hundreds = (60 000 or 6 000 or 600000)
- (7) 8 000 tens =hundreds (800 or 8 000 or 80 000)
- (8) 300 000 =hundreds (30 or 300 or 3 000)
- (9) The largest 5 - different - digit number is
(98 765 or 99 999 or 10 234)
- (10) The smallest 6 - different - digit number is
(100 000 or 123 456 or 10 2345)
- (11) The largest 5 - same - digit number is
(99 999 or 98 756 or 9 999)
- (12) The smallest 4 - same - digit number is
(1 000 or 11 111 or 1 111)
- (13) The value of the digit 3 in the numbr 53 889 is
(3 000 or 300 or 30)
- (14) The value of the digit 8 in the number 877 624 is
(800 000 or 8 000 or 800)
- (15) The place-value of the digit 9 in the number 9 247 is
(Hundreds or Thousands or Ten-thousands)

- (16) $5 + 5 + 5 + 5 = 2 \times \dots$ (5 or 10 or $4 + 5$)
- (17) $8 + 8 + 8 = \dots$ (8×3 or $8 + 3$ or 8×8)
- (18) $6 + 6 + 6 + 6 = \dots$ (6×4 or 6×6 or $6 + 4$)
- (19) $8 \times 2 = \dots$ ($8 + 2$ or $8 + 8$ or 8×8)
- (20) $9 + 9 = \dots$ (9×9 or 9×2 or 6×3)
- (21) $6 + 6 = \dots$ (6×2 or 6×6 or $6 + 2$)
- (22) $4 \times 4 = \dots$ (8×2 or 1×6 or 3×5)
- (23) 2×5 3×3 (< or = or >)
- (24) $5 + 5 + 5$ 4×4 (< or = or >)
- (25) $8 + 8 + 8$ 6×4 (< or = or >)
- (26) $9 + 9 + 9$ 7×4 (< or = or >)
- (27) $5 \times 6 = 3 \times \dots$ (5 or 10 or 6)
- (28) $8 + 8 + 8 + 8 + 8 = 4 \times \dots$ (8 or 5 or 10)
- (29) $6 + 6 + 6 + 6 = 3 \times \dots$ (8 or 6 or 4)
- (30) $5 \times 6 \times 10 = \dots \times 10$ (300 or 30 or 3)
- (31) $7 \times 4 \times 10 = \dots \times 10$ (280 or 4 or 28)
- (32) $\dots \times 9 \times 10 = 36 \times 10$ (4 or 36 or 360)
- (33) $28 \times 10 = 4 \times \dots \times 10$ (7 or 280 or 40)
- (34) $35 \times 10 = 5 \times \dots \times 10$ (70 or 350 or 7)
- (35) $36 \times 10 = \dots \times 6 \times 10$ (3 or 6 or 36)
- (36) $5 \times 8 = \dots \times 5$ (40 or 5 or 8)
- (37) $9 \times \dots = 6 \times 9$ (6 or 9 or 54)
- (38) $8 \times 6 = 6 \times \dots$ (8 or 6 or 48)
- (39) $6 + 6 + 6 = \dots$ ($6 + 3$ or 6×6 or 9×2)
- (40) $6 + 6 + 6 + 6 + 6 = \dots$ (6×6 or 3×10 or $6 + 5$)

- (41) $10\text{ cm} + 5\text{ mm} = \dots\dots\text{ mm}$ (105 or 15 or 1 005)
- (42) $15\text{ m} = \dots\dots\text{ cm}$. (15 or 150 or 1 500)
- (43) The quadrilateral has $\dots\dots$ sides (3 or 4 or 5)
- (44) $50\text{ cm} + 5\text{ mm} = \dots\dots\text{ mm}$ (505 or 55 or 10)
- (45) An hour + 10 minutes = $\dots\dots$ minutes (110 or 130 or 70)
- (46) An hour and a half = $\dots\dots$ minutes (75 or 80 or 90)
- (47) Each two opposite sides are parallel in $\dots\dots\dots$
- (48) $\dots\dots\dots$ (Square or Trapezium or Kite)
- The rhombus has $\dots\dots$ angles (3 or 4 or 5)
- (49) The capacity of a cup of tea = $\dots\dots\dots$
- (6 litre or 800 ml or 200 ml)
- (50) $\dots\dots\dots$ is a unit of measuring capacity
- (hour or meter or litre)

Second Complete the following

- (1) Two hundred five thousand, six hundred and eleven = $\dots\dots\dots$
- (Standard form)
- (2) 700 608 (Word form) : $\dots\dots\dots$
- $\dots\dots\dots$
- (3) $700\ 000 + 70\ 000 + 5\ 000 + 800 + 50 + 3 = \dots\dots\dots$
- (4) 998 thousand + 6 ones + 5 tens + 7 hundreds = $\dots\dots\dots$
- (5) $70 + 0 + 0 + 4 = \dots\dots\dots$
- (6) $77\ 856 = \dots\dots\dots + \dots\dots\dots + \dots\dots\dots + \dots\dots\dots$
- (7) $552\ 159 = \dots\text{ tens} + \dots\dots\text{ thousands} + \dots\text{ ones} + \dots\text{ hundreds}$
- (8) The number that comes right after 362 999 is $\dots\dots\dots$
- (9) The number 70 250 comes right after $\dots\dots\dots$.
- (10) The number $\dots\dots\dots$ comes right after 99 999.

- (11) The number that comes right before 700 000 is
- (12) The number 31 560 comes right before
- (13) The number comes right before 105 200.
- (14) The place value of the digit 5 in the number 254 269
is
- (15) The place value of the digit 7 in the number 789 895
is
- (16) The value of the digit 7 in the number 79 159 is
- (17) The value of the digit 2 in the number 8 128 is
- (18) The largest 6-digit number is
- (19) The smallest 6-digit number is
- (20) The largest 5-digit number is
- (21) The smallest 5-digit number is
- (22) The largest and the smallest number formed from the
digits (7 , 2 , 0 , 6 and 3) are and
- (23) The largest and the smallest 5-digit number formed from
the digits (4 , 8 and 5) are and
- (24) $4 + 4 + 4 + 4 + 4 + 4 + 4 + 4 = \dots \times \dots = \dots$
- (25) $5 + 5 + 5 + 5 + 5 + 5 + 5 = \dots \times \dots = \dots$
- (26) $5 \times 8 = \dots + \dots + \dots + \dots + \dots = \dots$
- (27) $4 \times 4 = \dots + \dots = \dots$
- (28) $7 + 7 + 7 + 7 + 7 = 5 \times \dots = \dots$
- (29) $4 + 4 + 4 + 4 = 2 \times \dots = \dots$
- (30) $5 \times 8 = 4 \times \dots = \dots$
- (31) $6 \times 6 = 4 \times \dots = \dots$

- (32) $52 \times 10 = \dots\dots\dots$
- (33) $16 \times 10 = \dots\dots\dots$
- (34) $7 \times \dots\dots = 70$
- (35) $32 \div \dots\dots = 8$
- (36) $35 \div \dots\dots = 5$
- (37) $4 \times \dots\dots = 40$
- (38) $86 \times \dots\dots = 860$
- (39) $55 \times \dots\dots = 550$
- (40) $\dots\dots \div 8 = 4$
- (41) $\dots\dots \div 5 = 7$
- (42) $8 \times 50 = \dots\dots \times \dots\dots \times \dots\dots = \dots\dots \times \dots\dots = \dots\dots$
- (43) $\dots\dots \times \dots\dots = 5 \times 9 \times 10 = \dots\dots \times \dots\dots = \dots\dots$
- (44) $\dots\dots \times \dots\dots = 5 \times \dots\dots \times \dots\dots = 35 \times 10 = \dots\dots$
- (45) $\dots\dots \times \dots\dots = \dots\dots \times 7 \times \dots\dots = 49 \times 10 = \dots\dots$
- (46) An hour and a half = $\dots\dots + \dots\dots = \dots\dots$ minutes
- (47) An hour and 25 minutes = $\dots\dots + \dots\dots = \dots\dots$ minutes
- (48) 2 hours and 55 minutes = $\dots\dots + \dots\dots = \dots\dots$ minutes
- (49) 95 minutes = $\dots\dots$ hours + $\dots\dots$ minutes
- (50) 130 minutes = $\dots\dots$ hours + $\dots\dots$ minutes
- (51) 5 cm = $\dots\dots\dots$ mm.
- (52) 10 cm = $\dots\dots\dots$ mm.
- (53) 7 m = $\dots\dots\dots$ cm
- (54) 12 m = $\dots\dots\dots$ cm
- (55) $12 \text{ cm} + 8 \text{ mm} = \dots\dots\dots + \dots\dots\dots = \dots\dots\dots \text{ mm}.$
- (56) $20 \text{ m} + 12 \text{ cm} = \dots\dots\dots + \dots\dots\dots = \dots\dots\dots \text{ cm}.$
- (57) $162 \text{ mm} = \dots\dots\dots \text{ cm} + \dots\dots\dots \text{ mm}.$
- (58) $225 \text{ cm} = \dots\dots\dots \text{ m} + \dots\dots\dots \text{ cm}.$
- (59) The quadrilateral is a polygon that has $\dots\dots\dots$ sides.
- (60) Two pairs of adjacent sides are equal in $\dots\dots\dots$
- (61) All sides are equal in $\dots\dots\dots$ and $\dots\dots\dots$
- (62) In the rectangle all angles are $\dots\dots\dots$
- (63) Each two opposite sides are equal and parallel in $\dots\dots\dots$, $\dots\dots\dots$, $\dots\dots\dots$, $\dots\dots\dots$

- (64) The pentagon has sides , angles and vertices.
- (65) The has 5 sides and has 6 sides.
- (66) To measure the capacity of the tea cup we use
- (67) The litre is used to measure
- (68) 2 liters = milliliters
- (69) 7 000 ml = litres
- (70) The volume of water in the pool is measured by

Third Answer the following

(1) Complete the pattern :

a    ,    ,    ,

b AB , AABB , AAABBB ,

c UN , UN , UN ,

d  ,  ,  ,

e  ,  ,  ,

f	5 260	5 250	5 240	.....
	.....	5 210	.....	.....
	5 180	.....	.....	5 150
	.....	5 130	5 120	.....

The
pattern

g	57 020	56 020	55 020	.....
	53 020	.....	.....	50 020
	.....	48 020	.....	.....
	.....	.....	43 020	.....

The
pattern

h 30, 27, 24, 21,,,,,

i 0, 4, 8, 12,,,,,

(2) Complete the following table :

	The Number	The value of the encircled digit	The place-value of the encircled digit
a	455 369	.....	.....
b	362 512	.....	.....
c	280 239	.....	.....
d	696 274	.....	.....
e	51 780	.....	.....

(3) Complete using < , = or > :

a 345 123 600 201 **d** 99 999 100 010

b 788 250 788 520 **e** 5 628 5 268

c 441 002 441 020 **f** 39 020 39 200

g 5 tens + 7 thousands + 4 hundreds 7 405

h Twenty thousand and twenty 2 020

i 5 00 000 + 50 000 + 500 + 5 555 005

j 3 600 + 36 360 036

- j** An hour and a quarter 95 minutes
- k** 2 hours and 25 minutes 150 minutes
- l** 6 cm + 7 mm 67 mm
- m** 20 m + 12 cm 212 cm
- n** 2 liters 2 200 milliliters

(4) The following data shows the weights of **20** children.
(in Kilograms) . Creat a line plot using these data.

55 , 50 , 54 , 54 , 51 , 55 , 52 , 53 , 57 , 58
58 , 58 , 58 , 54 , 53 , 57 , 51 , 50 , 50 , 52

- a** The lowest value :..... The largest value :.....
- b** The number of times each number is repeated

The weight	.....	.....	.....	.....	.....	.....	.....	.....	.....
Frequency	.....	.....	.....	.....	.....	.....	.....	.....	.....

- c** The line plot :



.....

x =

(5) Arrange each group of the following numbers in an ascending order and in a descending order :

a 32 023 , 98 123 , 75 023 , 54 987 , 20 368

The ascending order :

..... , , , ,

The descending order :

..... , , , ,

b 500 368 , 500 638 , 500 863 , 500 386 , 500 683

The ascending order :

..... , , , ,

The descending order :

..... , , , ,

c 8 000 , 1 800 , 18 000 , 1 008 , 10 008

The ascending order :

..... , , , ,

The descending order :

..... , , , ,

(6) Use the 120 char , to find :

a List the common multiples of 2 and 3 up to 30 :

.....
.....

b List the common multiples of 5 and 4 up to 40 :

.....

c List the common multiples of 6 and 9 up to 60 :

.....

(7) Complete:

$2 \times 2 = \dots\dots$

$3 \times 3 = \dots\dots$

$2 \times 6 = \dots\dots$

$4 \times 4 = \dots\dots$

$2 \times 9 = \dots\dots$

$4 \times 6 = \dots\dots$

$3 \times 9 = \dots\dots$

$4 \times 8 = \dots\dots$

$6 \times 6 = \dots\dots$

$5 \times 9 = \dots\dots$

$6 \times 9 = \dots\dots$

$7 \times 9 = \dots\dots$

$2 \times 3 = \dots\dots$

$2 \times 5 = \dots\dots$

$2 \times 7 = \dots\dots$

$2 \times 8 = \dots\dots$

$4 \times 5 = \dots\dots$

$3 \times 8 = \dots\dots$

$4 \times 7 = \dots\dots$

$5 \times 7 = \dots\dots$

$5 \times 8 = \dots\dots$

$6 \times 8 = \dots\dots$

$7 \times 8 = \dots\dots$

$8 \times 9 = \dots\dots$

$2 \times 4 = \dots\dots$

$3 \times 4 = \dots\dots$

$3 \times 5 = \dots\dots$

$3 \times 6 = \dots\dots$

$3 \times 7 = \dots\dots$

$5 \times 5 = \dots\dots$

$5 \times 6 = \dots\dots$

$4 \times 9 = \dots\dots$

$6 \times 7 = \dots\dots$

$7 \times 7 = \dots\dots$

$8 \times 8 = \dots\dots$

$9 \times 9 = \dots\dots$

$2 \times \dots\dots = 4$

$3 \times \dots\dots = 6$

$4 \times \dots\dots = 8$

$3 \times \dots\dots = 9$

$5 \times \dots\dots = 10$

$6 \times \dots\dots = 12$

$4 \times \dots\dots = 12$

$7 \times \dots\dots = 14$

$5 \times \dots\dots = 15$

$4 \times \dots\dots = 16$

$8 \times \dots\dots = 16$

$9 \times \dots\dots = 18$

$6 \times \dots\dots = 18$

$5 \times \dots\dots = 20$

$7 \times \dots\dots = 21$

$8 \times \dots\dots = 24$

$6 \times \dots\dots = 24$

$5 \times \dots\dots = 25$

$9 \times \dots\dots = 27$

$7 \times \dots\dots = 28$

$6 \times \dots\dots = 30$

$8 \times \dots\dots = 32$

$7 \times \dots\dots = 35$

$6 \times \dots\dots = 36$

$9 \times \dots\dots = 36$

$8 \times \dots\dots = 40$

$7 \times \dots\dots = 42$

$9 \times \dots\dots = 45$

$8 \times \dots\dots = 48$

$7 \times \dots\dots = 49$

$9 \times \dots\dots = 54$

$8 \times \dots\dots = 56$

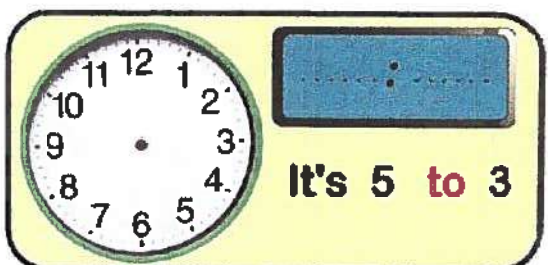
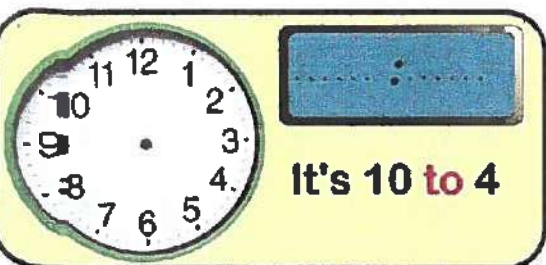
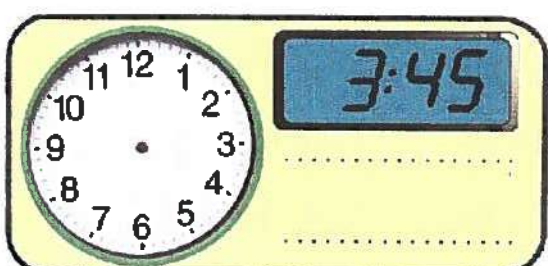
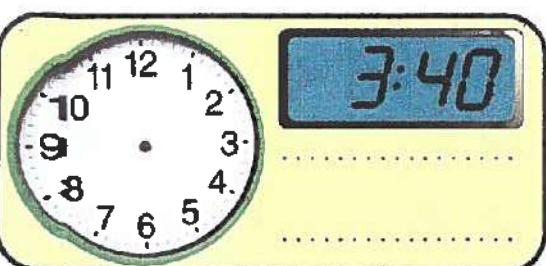
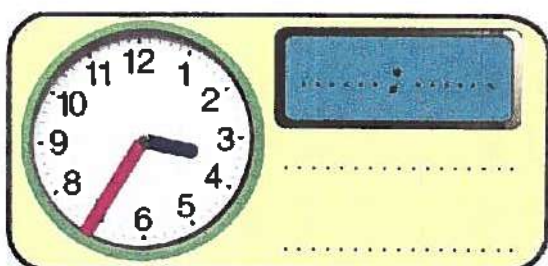
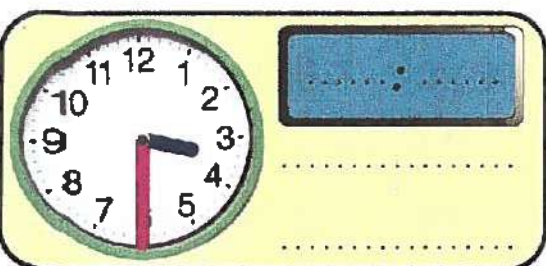
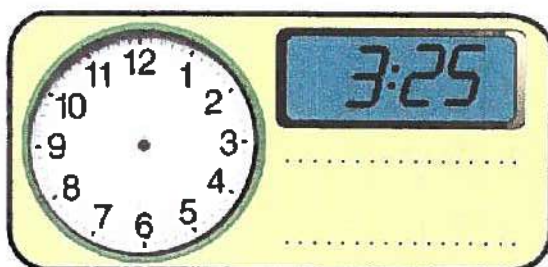
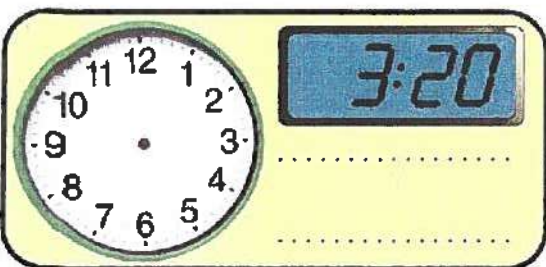
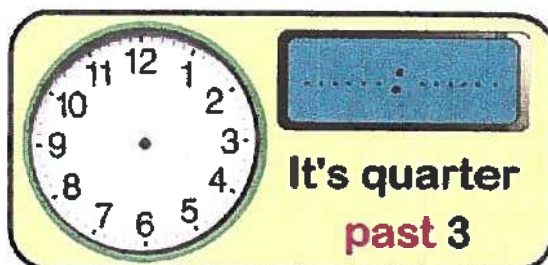
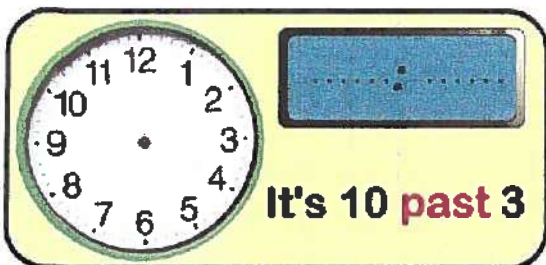
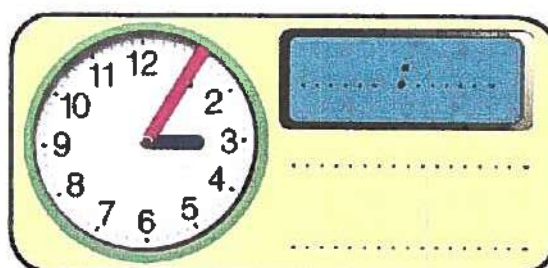
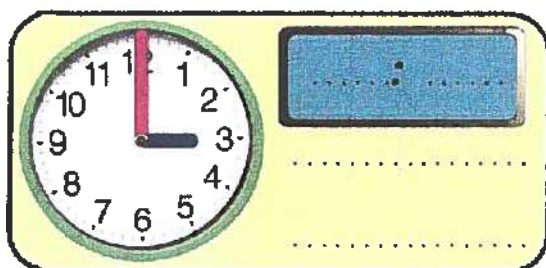
$9 \times \dots\dots = 63$

$8 \times \dots\dots = 64$

$9 \times \dots\dots = 72$

$9 \times \dots\dots = 81$

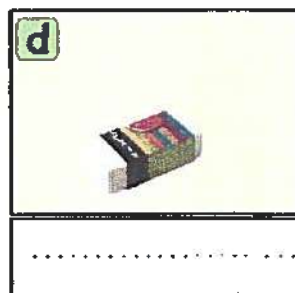
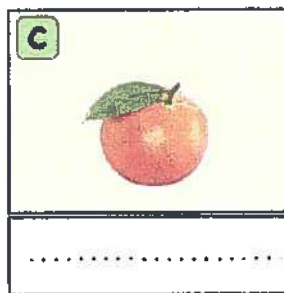
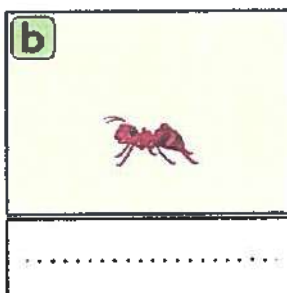
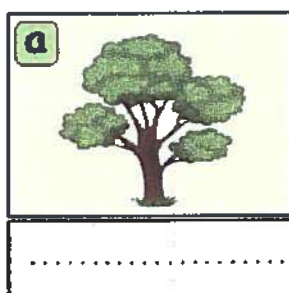
(8) Complete the following



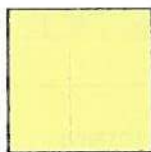
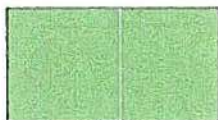
(9) See the pictures below. Determine what is the appropriate unit of length for measuring these things :

[millimeter (**mm**) , centimeter (**cm**) or meters (**m**).]

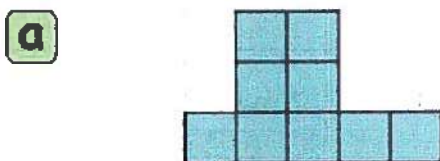
Then write it under the picture



(10) Write the name of each quadrilateral :

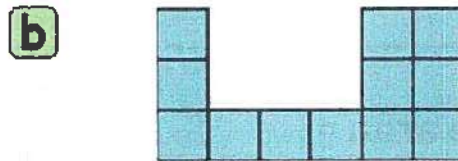


(11) Find the area and the perimeter of each shape :



The area = square unit

The perimeter = liner unit

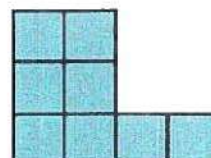


The area = square unit

The perimeter = liner unit

c The area = square unit

The perimeter = liner unit

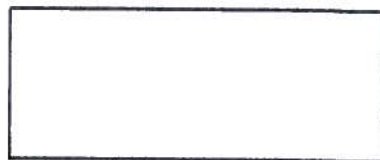


d The area =

=

The perimeter =

=



e The area =

=

The perimeter =

=

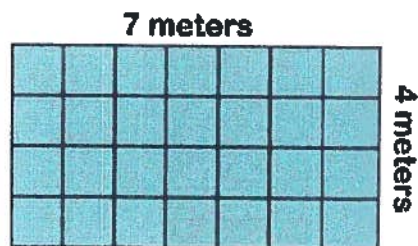


f The area =

=

The perimeter =

=

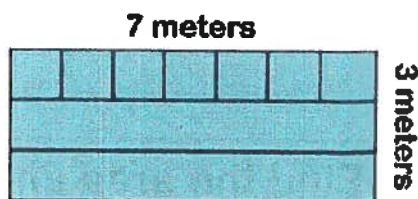


g The area =

=

The perimeter =

=

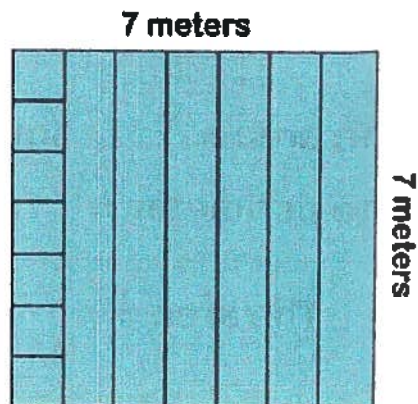


h The area =

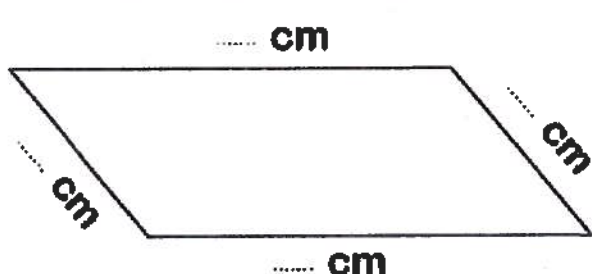
=

The perimeter =

=

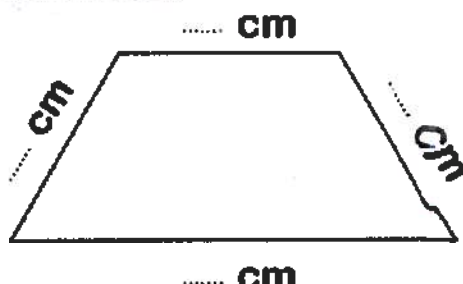


(12) Use your ruler to measure each of the side lengths of the following then find the perimeter



a The perimeter

$$= \dots + \dots + \dots + \dots = \dots \text{ cm}$$



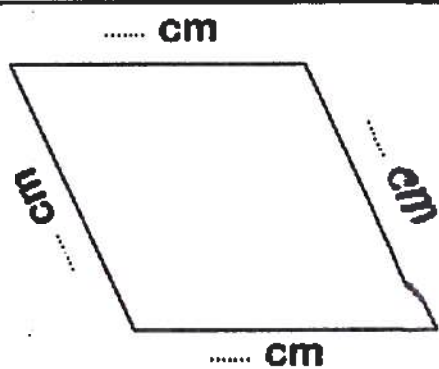
b The perimeter

$$= \dots + \dots + \dots + \dots = \dots \text{ cm}$$

c The perimeter


$$= \dots + \dots + \dots + \dots$$

$$= \dots \text{ cm}$$



(13) What is better for measuring the volume of liquid in (capacity)? [Milliliter or liter]

a



Juice in a juice box

Milliliter Litre

b



Water in the bathtub

Milliliter Litre

c



Perfume in a bottle

Milliliter Litre

d



Dishwashing soap

Milliliter Litre

e



Water in a bottle

Milliliter Litre

f



Shampoo in a bottle

Milliliter Litre

First Choose the correct answer

- a** Twelve thousand , two hundred and two =
(12 202 or 12 022 or 10 212)
- b** 40 hundreds 4000 tens (< or = or >)
- c** $8 + 8 + 8 = \dots\dots\dots$ (8×3 or 8×8 or $8 + 3$)
- d** $40 \div \dots\dots\dots = 5$ (10 or 8 or 5)
- e** The place-value of the 9 in the number 695 003 is
(Tens or Ten-thousands or Hundred thousands)

Second Complete the following

- a** The number of sides of the hexagon is
- b** The quadrilaterals that have 4 right angles are
..... and
- c** 54 , 48 , 42 , , ,
- d** The smallest 6-different-digit number is
- e** The area of the opposite figure
is Liner unit



Third Answer the following

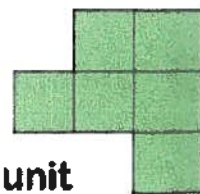
- a** Find the result :
(1) $456 + 244 = \dots\dots\dots$ (2) $800 - 325 = \dots\dots\dots$ (3) $6 \times 8 = \dots\dots\dots$
- b** Arrange the following numbers in a descending order .
10 000 , 15 000 , 999 , 90 000 , 909 000
..... , , , ,
- c** Each basket holds 12 oranges , How many oranges are there
in 5 baskets ?
- d** Use the 120 chart to write the common multiples of 6 and 8
up to 100

First Choose the correct answer

- a The number 40 100 comes right after
(40 101 or 40 199 or 40 099)
- b 50 hundreds + 40 thousands + 2 ones + 7 tens =
(504 027 or 45 072 or 40 572)
- c $6 \times 3 = \dots$ ($6 + 6 + 6 + 6 + 6 + 6$ or $3 + 3 + 3$ or $9 + 9$)
- d 70 minutes 1 hour and a quarter ($<$ or $=$ or $>$)
- e The better unit to measure the volume of the soda in a can is
(Liter or Milliliter)

Second Complete the following

- a The polygon that has 4 sides is called
- b The smallest 6-digit number formed from the digits (7 , 2 and 5) is
- c $6 \times 18 = 6 \times \dots + 6 \times \dots$
- d $205 \text{ mm} = \dots \text{ cm} + \dots \text{ mm}$
- e The perimeter of the opposite figure is square unit



Third Answer the following

- a Find the result :
(1) $9 \times 8 = (\dots \times 10) - \dots = \dots$ (2) $7 \overline{)42}$

- b Write the name of each quadrilatera :



- c Write the time :

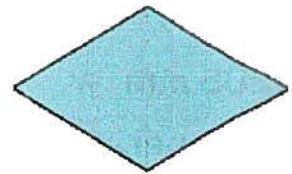


First Choose the correct answer

- a The smallest 5-different-digit number is
(10 234 or 12 345 or 10 000)
- b 205 cm 20 m + 5 cm (< or = or >)
- c $9 \times \dots = (9 \times 10) - 9$ (8 or 9 or 10)
- d The better unit to measure the length of a pencil is
(Millimeter or centimeter or Meter)
- e $9 + 200 + 7\,000 + 60 = \dots$ (9 276 or 7 296 or 7 269)

Second Complete the following

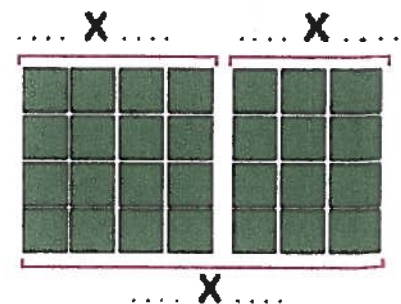
- a The number of sides of the octagon is
- b The number that comes right after 200 099 is
- c 560 201 (In the word form)
- d The opposite figure is called
, it has sides and all sides are
- e 110 minutes = hours + minutes



Third Answer the following

- a Use the opposite array to complete :

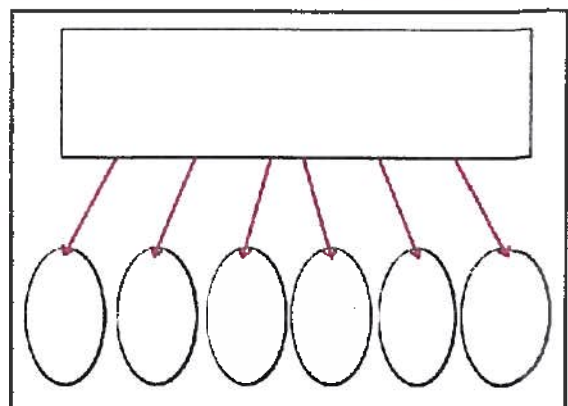
$$\begin{aligned} (1) & (\dots \times \dots) + (\dots \times \dots) \\ &= \dots \times (\dots \times \dots) \\ &= \dots \times \dots = \dots \end{aligned}$$



- b The teacher has 36 crayons to share equally between 6 students.

What is the share of each ?

Draw a part-part-whole model to show your answer .



First Choose the correct answer

- a The volume of the tea in a cup can be
(2 Liters or 200 liters or 200 milliliters)
 - b All sides are equal in length in
 - c (Parallelogram or Rhombus or Kite)
 - d The polygon that has 5 sides is called
 - e (quadrilateral or pentagon or hexagon)
- The better unit used to measure the length of an insect is
- (meter or centimeter or millimeter)
- The smallest number formed from the digits (5 , 8 , 7 , 0 and 4)
is (87 540 or 45780 or 40 578)

Second Complete the following

- a An hour and a quarter = + = minutes
- b 16 , 24 , 32 , 40 , 48 ,
- c $670\ 670 = 670 + \dots\dots\dots$
- d The value of the digit 0 in the number 75 036 is
- e 502 thousands + 704 hundreds =

Third Answer the following

- a Use the number line strategy to find :

(1) $525 + 287 = \dots\dots\dots$



(2) $628 - 327 = \dots\dots\dots$

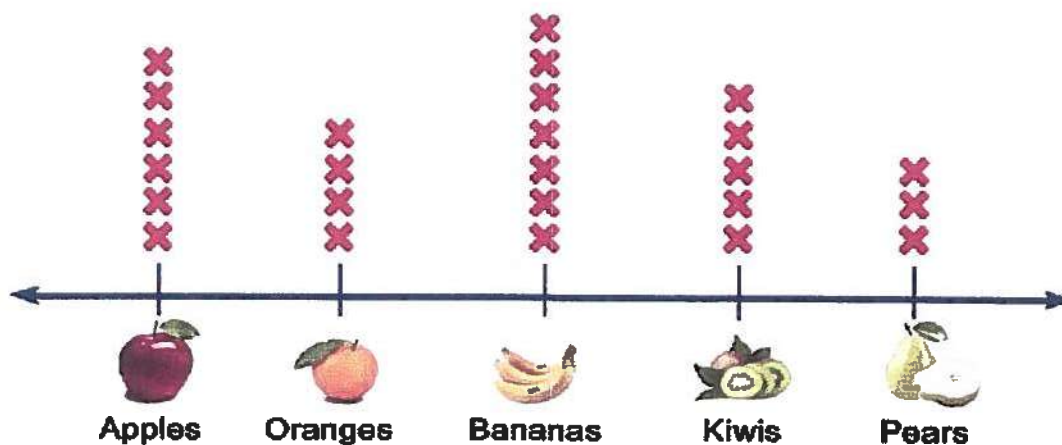


b Arrange the following numbers in an ascending order .

25 250 , 25 025 , 25 520 , 25 205 , 25 502

.....,,,,

c The following line plot shows the favorite fruit types for 25 children :



The favorite fruit

X = 1 child

(1) Which fruit is liked the most ?

(2) Which fruit is liked the least ?

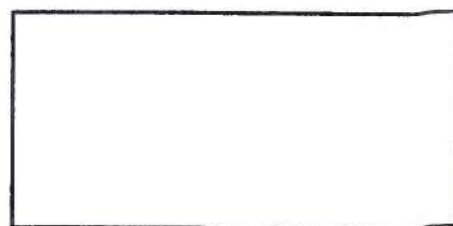
d Find the area and the perimeter of the following :

The area =

=

The perimeter =

=



First Choose the correct answer

- a Seven hundred seven thousand and seventy =
(707 070 or 700 770 or 777 000)
- b The number that comes right after 399 999 is
(399 998 or 499 999 or 400 000)
- c The value of the digit 7 in the number 37 936 is
(70 000 or 7 000 or 700)
- d 7 thousands + 200 hundreds + 50 tens =
(70 250 or 27 500 or 207 500)
- e The largest 5-digit number =
(99 999 or 98 765 or 90 000)

Second Complete the following

- a $4 + 4 + 4 + 4 + 4 + 4 + 4 + 4 + 4 = \dots \times 6$
- b $8 \times 17 = 8 \times 8 + 8 \times \dots = \dots$
- c Each chair has 4 legs, then the number of legs that 7 chairs has legs
- d The better unit of length that used to measure the length of an insect is
- e A day = hours

Third Answer the following

- a Use the opposite figure to complete :

Thousands			Hundreds		
Hundreds	Tens	Ones	Hundreds	Tens	Ones
7	0	0	8	1	0

STANDARD FORM

SHORT WORD FORM

WORD FORM

EXPANDED FORM

..... thousands + hundreds + tens + ones

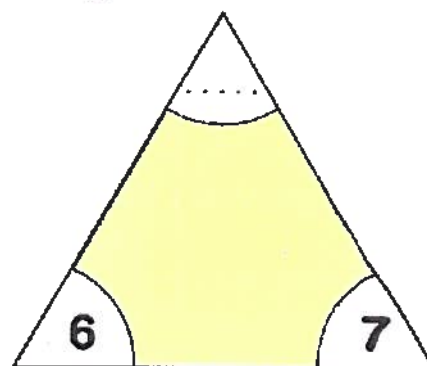
- b** Complete the missing factor in the triangle
Then complete the equations :

..... \times =

..... \times =

..... \div =

..... \div =



- c** Match each quadrilateral to its name :

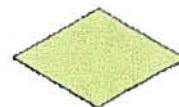
Kite

Parallelogram

Rhombus

Square

Trapezium



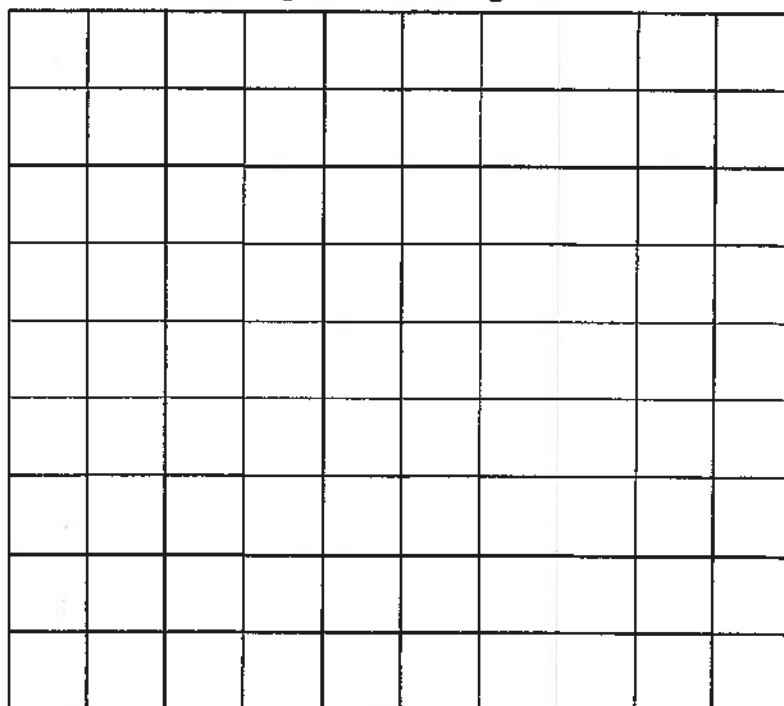
- d** On the grid below, draw and label as many rectangles
as you can with the area = 24 square units
Then write equations that match your rectangles.

.....

.....

.....

.....



Guide Answers

Page 6

The Visual Patterns

1 Complete the pattern :

2.

3

1.

2 AB , AB , AB , AB , AB , AB , AB , AB

3 10 , 20 , 30 , 40 , 50 , 60 , 70

2 Look at the towers. Then figure out the next two numbers in the pattern :

6.

3 4 5

2 3 4

3 4 5

4 5 6

Page 6

MATHS

WORLD SKILLS
INDIA 2010

1. Complete the pattern.

8.

9.

10.

11.

12.

13. AB , AAB , AAAB , AAAA

14. UUUUU, UUUUU, UUUUU, UUUUU

15. 50, 60, 70, 80, 80, 100

16. 60, 50, 40, 30, 20, 10

5

14. Look at the images. Write the sum of the next two triangles in the pattern.

(a)

1 3 6 10 15

(b)

1 4 9 16 25

(c)

1 3 6 10 15

(d)

1 4 9 16 25

(e)

1 3 6 10 15

(f)

1 4 9 16 25

(g)

1 4 9 16 25

(h)

1 4 9 16 25

(i)

1 4 9 16 25

(j)

1 4 9 16 25

(k)

1 4 9 16 25

(l)

1 4 9 16 25

(m)

1 4 9 16 25

(n)

1 4 9 16 25

(o)

1 4 9 16 25

(p)

1 4 9 16 25

(q)

1 4 9 16 25

(r)

1 4 9 16 25

(s)

1 4 9 16 25

(t)

1 4 9 16 25

(u)

1 4 9 16 25

(v)

1 4 9 16 25

(w)

1 4 9 16 25

(x)

1 4 9 16 25

(y)

1 4 9 16 25

(z)

1 4 9 16 25

MA 3.0





Module 2

The bar graph & The pictograph

I Look at the favorite fruit graph and then answer :

Fruit	Number of students
Apple	30
Mango	60
Orange	60
Banana	60
Guava	40

Q Can you draw the following table :

Fruit name & pic	Number of students
Apple 	30
Mango 	60
Orange 	60
Banana 	40

Q How many people like guava, say ? **60**

Q How many people like apple and banana ? **80**

Q How many people were asked about their favorite fruit ? **180**

Q Which is the least popular fruit in the graph ? **Apples**

6

Example 1 Convert the same data from pictograph into a bar graph then complete the table

Bar Graph

Fruit	Number of students
Apple	10
Banana	20
Grapes	10
Mango	10
Orange	10

Answer the questions:

- How many students like Apple? **10**
- How many students like Banana? **20**
- How many more students like Banana than Apple? **10**
- How many more students like Banana than Grapes? **10**
- How many students like Grapes and Mango? **20**
- How many students all together? **60**
- Which fruit is liked the most? **Banana**
- Which fruit is liked the least? **Apple**

3 Use the following table to complete the bar graph.

Favourite Desserts	Tallies	Number of Children
Banana Ice Cream	||||	4
Khakhra	|||||	5
Sweet Potatoes	||||	4
Sweet Potato	|||||	12
Onion	|||||	10

Favourite dessert

Number of children

Ban Khn S P S.P. On. All.

10 How many children like Bananas? 4

11 How many children like On. All. and Sweets? 10 + 4 = 14

12 Which dessert is liked most? Sweet potato

13 Which dessert is liked least? Sweet Potatoes

11) Look at the bar graph and then answer.

Fruit	Number of Students
Apple	5
Orange	3
Guava	7
Watermelon	9
Mango	5
Pear	2

12) Complete the following table.

Fruit	Apple	Orange	Guava	Watermelon	Mango	Pear
Number of Students	5	3	7	9	5	2


13) Answer the questions:

- How many students like mango? 9
- How many more students like watermelon than pear? 7
- How many students like guava and mango together? $5 + 9 = 14$
- Which fruit is liked the most? **Watermelon**
- Which fruit is liked the least? **Pear**

[illegible]

Activity 1 Look at the Pich-a-Long pictograph and then answer :

Day	Number of flowers
Sunday	10
Monday	10
Tuesday	10
Wednesday	10
Thursday	10
Friday	10



Key
1 flower
= 2 Pich-a-Long

Exercise 1 Complete the following table :

Day	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
Number of flowers	30	25	10	40	25	20	

Exercise 2 Answer the questions :

- How many flowers were picked on Monday ? 52
- How many flowers were picked on Tuesday ? 42
- How many more flowers were picked on Saturday than Monday ?

$52 - 25 = 27$
- How many more flowers were picked on Monday than Tuesday ?

$52 - 42 = 10$
- How many flowers were picked on Wednesday and Saturday ?

$25 + 20 = 45$
- How many flowers were picked on Wednesday and Monday ?

$25 + 52 = 77$
- How many flowers were picked on Thursday and Sunday ?

$40 + 25 = 65$
- Which day has the most number of flowers picked ? Monday
- Which day has the least number of flowers picked ? Tuesday

MAIN

Look at the pictograph and then answer.

Name	Number of Cookies
Sara	11
Tommy	8
Adam	18
Sandy	5
Jana	11

Complete the following table:

Name	Sara	Tommy	Adam	Sandy	Jana
Number of Cookies	11	8	18	5	11

Answer the questions:

- How many cookies did Tommy eat? **8**
- How many cookies did Jana eat? **10**
- How many more cookies did Sara eat than Adam? **11 - 18 = -7**
- How many more cookies did Sandy eat than Sara? **11 - 5 = 6**
- How many cookies did Sara, Tommy and Adam eat? **11 + 8 + 18 = 37**
- How many cookies did Sara, Tommy and Sandy eat? **11 + 8 + 5 = 24**
- What did you like most in the pictograph? **Adam**
- What did you like least in the pictograph? **Sandy**

14

MAIN

Use the following table to complete the bar graph:

Name	Number of books
Aliya	8
Adam	6
Sara	4
Sandy	7
Tommy	2
Jana	4

Complete the bar graph:

Use the bar graph to complete each of the following:

- Number of books that Aliya read: **8**
- Number of books that Sara read: **4**
- Number of books that Tommy read: **2**
- Number of books that Jana read: **4**

15

MAIN

Use the following table to complete the bar graph:

Favorite Desserts	Number of children
Chocolate	8
Ice cream	10
Soft drinks	6
Other	12
None	15

Complete the bar graph:

Use the bar graph to complete each of the following:

- Number of children that like Chocolate: **8**
- Number of children that like Ice cream: **10**
- Number of children that like Soft drinks: **6**
- Number of children that like Other: **12**
- Number of children that like None: **15**

16

Sheet 1

1. Complete the following:

- Two hundred and two = **202**
- Three hundred and five = **305**
- Four hundred and eight = **408**
- Five hundred and one = **501**
- Six hundred and nine = **609**
- Seven hundred and three = **703**
- Eight hundred and six = **806**
- Nine hundred and four = **904**

2. Complete the following:

- Three hundred and two = **302**
- Four hundred and five = **405**
- Five hundred and eight = **508**
- Six hundred and one = **601**
- Seven hundred and four = **704**
- Eight hundred and seven = **807**
- Nine hundred and zero = **900**

3. Answer the following:

- What is the value of the digit 3 in the number 345? **300**
- What is the value of the digit 4 in the number 345? **40**
- What is the value of the digit 5 in the number 345? **5**
- What is the value of the digit 3 in the number 345? **300**
- What is the value of the digit 4 in the number 345? **40**
- What is the value of the digit 5 in the number 345? **5**

17

MAIN

1. Create a line plot using eggs in the basket data. Use the data to draw your line plot.

Number of eggs	Frequency
15	2
16	4
17	5
18	1
19	0
20	4
21	0
22	2

2. The lowest value: **15**

3. The highest value: **22**

4. The number of times each number is repeated:

5. The line plot:

18

MAIN

1. The following data shows the weights of 20 children (in kilograms). Create a line plot using these data.

Weight (kg)	Frequency
35	4
36	2
37	7
38	4
39	1
40	0
41	2

2. The lowest value: **35**

3. The highest value: **41**

4. The number of times each number is repeated:

5. The line plot:

19

MAIN

1. The following line plot represents the methods used by 10 students to reach school.

2. Answer the following:

- How many students go to school by car? **2**
- How many students go to school by bicycle? **3**
- How many students go to school by foot? **1**
- How many students go to school by bus? **4**
- What is the most popular method of transportation for students? **Bus**
- How many more students go to school by bus than by foot? **4 - 1 = 3**

20

MAIN

1. The following numbers are the result from a test taken by a class of 24 students.

Score	Frequency
11	2
12	3
13	2
14	1
15	4
16	3
17	1
18	2
19	1
20	1
21	1
22	1

2. The lowest value: **11**

3. The highest value: **22**

4. The number of times each number is repeated:

5. The line plot:

21

MAIN

1. Create a line plot using eggs in the basket data. Use the data to draw your line plot.

Number of eggs	Frequency
20	2
21	3
22	2
23	2
24	0
25	0
26	1
27	1
28	1

2. The lowest value: **20**

3. The highest value: **28**

4. The number of times each number is repeated:

5. The line plot:

22

MAIN

3. The following data shows the weights of 20 children (in kilograms). Create a line plot using these data.

45, 48, 50, 52, 54, 56, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71

a. The lowest value: 45
The highest value: 71

b. The number of times each number is repeated

The weight (in kg)	45	48	50	52	54	56	58	59	60	61	62	63	64	65	66	67	68	69	70	71
Frequency	2	3	2	2	3	2	0	2	4	1	1	1	1	1	1	1	1	1	1	1

c. The line plot:

The weight
= 1 child

24

MAIN

4. The following data shows the number of students in each of the school's 20 classes. Create a line plot using these data.

45, 48, 50, 52, 54, 56, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71

a. The lowest value: 38
The highest value: 48

b. The number of times each number is repeated

The number of students	38	39	40	41	42	43	44	45	46	47	48
Frequency	2	3	3	2	2	3	2	4	1	1	1

c. The line plot:

Number of students
= 1 class

25

MAIN

5. The following line plot represents the methods used by 20 students to reach school.

Means of transportation
= 1 student

Answer the following:

a. How many students go to school by bus? 8

b. How many students go to school by car? 7

c. How many students go to school by bicycle? 5

d. How many students go to school on foot? 4

e. What is the most popular means of transportation for students? Car

f. How many more students go by car to school than a bus? 7 - 8 = -1

26

MAIN

6. The following line plot shows the favorite fruit types for 28 children:

The favorite fruit
= 1 child

Complete the following table:

Favorite fruit	Apple	Orange	Banana	Grape	Pear
Number of children	8	7	6	5	4

Answer the questions:

a. How many children liked oranges? 7

b. How many more children liked apples than pears? 8 - 4 = 4

c. How many children did not like any of the fruits? 0

d. Which fruit is liked the most? Apple

e. Which fruit is liked the least? Pear

27

MAIN

7. Complete the following table:

Number	100	200	300	400	500	600	700	800	900	1000
Number of children	2	3	4	5	6	7	8	9	10	11

Answer the questions:

a. How many children liked oranges? 7

b. How many more children liked apples than pears? 8 - 4 = 4

c. How many children did not like any of the fruits? 0

d. Which fruit is liked the most? Apple

e. Which fruit is liked the least? Pear

28

MAIN

8. Write the number shown on the figure:

Write the number shown on the figure:

100, 200, 300, 400, 500, 600, 700, 800, 900, 1000

29

MAIN

9. Write the number shown on the figure:

Write the number shown on the figure:

1000, 2000, 3000, 4000, 5000, 6000, 7000, 8000, 9000, 10000

30

MAIN

10. Complete the following table:

Number	1000	2000	3000	4000	5000	6000	7000	8000	9000	10000
Number of children	2	3	4	5	6	7	8	9	10	11

Answer the questions:

a. How many children liked oranges? 7

b. How many more children liked apples than pears? 8 - 4 = 4

c. How many children did not like any of the fruits? 0

d. Which fruit is liked the most? Apple

e. Which fruit is liked the least? Pear

31

MAIN

11. Write the number shown on the figure:

Write the number shown on the figure:

10000, 20000, 30000, 40000, 50000, 60000, 70000, 80000, 90000, 100000

32

Write the number shown on the figure

Thousands Hundreds Tens Ones

Five thousand, nine hundred and sixty-nine
5,969

Six thousand, four hundred and four
6,404

Three thousand and eighty
3,080

One thousand, two hundred and three
1,203

One thousand, two hundred and three
1,203

Write the number shown on the Abacus:

Thousands Hundreds Tens Ones

Five thousand, nine hundred and sixty-nine
5,969

Six thousand, four hundred and four
6,404

Three thousand and eighty
3,080

One thousand, two hundred and three
1,203

One thousand, two hundred and three
1,203

Write the number shown on the Abacus:

Thousands Hundreds Tens Ones

Five thousand, nine hundred and sixty-nine
5,969

Six thousand, four hundred and four
6,404

Three thousand and eighty
3,080

One thousand, two hundred and three
1,203

One thousand, two hundred and three
1,203

Complete the following table:

Standard form	Word form	Short word form	Expanded form
8,345	Eight thousand, three hundred and forty-five	Eight thousand, three hundred and forty-five	$8,000 + 300 + 40 + 5$
9,010	Nine thousand, one hundred	Nine thousand, one hundred	$9,000 + 100$
10,000	Ten thousand	Ten thousand	$10,000$
2,512	Two thousand, five hundred and twelve	Two thousand, five hundred and twelve	$2,000 + 500 + 10 + 2$
5,000	Five thousand	Five thousand	$5,000$
9,205	Nine thousand, two hundred and five	Nine thousand, two hundred and five	$9,000 + 200 + 5$

Complete the following table:

Standard form	Word form	Short word form	Expanded form
7,000	Seven thousand	Seven thousand	$7,000$
9,000	Nine thousand	Nine thousand	$9,000$
10,000	Ten thousand	Ten thousand	$10,000$
2,500	Two thousand, five hundred	Two thousand, five hundred	$2,000 + 500$
5,000	Five thousand	Five thousand	$5,000$
9,200	Nine thousand, two hundred	Nine thousand, two hundred	$9,000 + 200$

Choose the correct answer:

1. Five thousand, nine hundred and sixty-nine is written as 5,969.

2. Six thousand, four hundred and four is written as 6,404.

3. Three thousand and eighty is written as 3,080.

4. One thousand, two hundred and three is written as 1,203.

5. One thousand, two hundred and three is written as 1,203.

Write the number shown on the Abacus:

Thousands Hundreds Tens Ones

Five thousand, nine hundred and sixty-nine
5,969

Six thousand, four hundred and four
6,404

Three thousand and eighty
3,080

One thousand, two hundred and three
1,203

One thousand, two hundred and three
1,203

Complete the following table:

Standard form	Word form	Short word form	Expanded form
7,000	Seven thousand	Seven thousand	$7,000$
9,000	Nine thousand	Nine thousand	$9,000$
10,000	Ten thousand	Ten thousand	$10,000$
2,500	Two thousand, five hundred	Two thousand, five hundred	$2,000 + 500$
5,000	Five thousand	Five thousand	$5,000$
9,200	Nine thousand, two hundred	Nine thousand, two hundred	$9,000 + 200$

Write the following numbers in standard form:

a) Forty thousand, two hundred and five: 40,205

b) Twenty thousand, one hundred and twenty: 20,120

c) Six thousand, seven hundred and three: 6,703

d) Eight thousand, four hundred and twenty: 8,420

Write the following numbers in word form:

a) 10,000: Ten thousand

b) 12,000: Twelve thousand

c) 15,000: Fifteen thousand

d) 18,000: Eighteen thousand

Write the following numbers in short word form:

a) 10,000: Ten thousand

b) 12,000: Twelve thousand

c) 15,000: Fifteen thousand

d) 18,000: Eighteen thousand

Write the number shown on the Abacus:

82 348
 10 thousands + 2 thousands + 3 hundreds + 4 tens + 8 ones
 10 000 + 2 000 + 300 + 40 + 8

33 thousand, 674
 30 thousands + 3 hundreds + 6 tens + 7 ones + 4 ones
 30 000 + 3 000 + 600 + 70 + 4

34 614
 30 thousands + 4 hundreds + 6 tens + 1 one + 4 ones
 30 000 + 4 000 + 600 + 10 + 4

83 thousand, 620
 80 thousands + 3 thousands + 6 hundreds + 2 tens + 0 ones
 80 000 + 3 000 + 600 + 20 + 0

Write the number shown on the Abacus:

20 100
 20 thousands + 0 hundreds + 10 tens + 0 ones
 20 000 + 0 + 0 + 10 + 0

30 thousand, 80
 30 thousands + 0 hundreds + 8 tens + 0 ones
 30 000 + 0 + 0 + 80 + 0

Seventy-two thousand and three
 70 thousands + 2 thousands + 0 hundreds + 0 tens + 3 ones
 70 000 + 2 000 + 0 + 0 + 3

Eighteen thousand
 10 thousands + 8 thousands + 0 hundreds + 0 tens + 0 ones
 10 000 + 8 000 + 0 + 0 + 0

Eighty thousand and eight
 80 thousands + 0 hundreds + 0 tens + 8 ones
 80 000 + 0 + 0 + 0 + 8

Complete the following table:

87 635	87 thousand, 635
87 635	Eighty seven thousand, six hundred and thirty five
80 000 + 7 000 + 600 + 30 + 5	87 thousands + 6 hundreds + 3 tens + 5 ones
62 036	62 thousand, 36
62 036	Sixty two thousand and thirty six
50 000 + 2 000 + 0 + 30 + 6	52 thousands + 2 hundreds + 3 tens + 6 ones
68 200	68 thousand, 200
68 200	Sixty eight thousand and two hundred
60 000 + 8 000 + 200 + 0 + 0	68 thousands + 8 hundreds + 2 tens + 0 ones
15 160	15 thousand, 160
15 160	Fifteen thousand, one hundred and sixty
10 000 + 5 000 + 100 + 60 + 0	15 thousands + 1 hundred + 6 tens + 0 ones

Complete the following:

22 thousand, 202
 20 000 + 0 + 200 + 0 + 2
 20 thousands + 2 hundreds + 0 tens + 2 ones

88 thousand, 132
 80 000 + 8 000 + 100 + 30 + 2
 80 thousands + 8 hundreds + 3 tens + 2 ones

73 thousand, 567
 70 000 + 3 000 + 500 + 60 + 7
 70 thousands + 3 hundreds + 5 tens + 7 ones

68 thousand, 662
 60 000 + 8 000 + 600 + 60 + 2
 60 thousands + 8 hundreds + 6 tens + 2 ones

Write the following numbers in numbered form:

a) Ninety six thousand, five hundred and fifteen: 96 615
 b) Seventy thousand, two hundred and five: 70 205
 c) Ten thousand and five: 10 005
 d) Sixteen thousand and four hundred: 16 400
 e) Five thousand and eleven: 5 011
 f) 80 000 + 2 000 + 500 + 40 + 2 = 82 542
 g) 800 + 30 000 + 7 = 30 807
 h) 20 + 1 + 10 000 + 400 = 10 021
 i) 25 thousands + 4 hundred + 8 tens + 2 ones = 25 482
 j) 4 hundreds + 98 thousands + 2 ones + 8 tens = 98 428
 k) 5 hundreds + 90 thousands + 4 ones + 8 tens = 90 484
 l) 48 thousand, 406 = 48 406

Write the following numbers in expanded form:

a) 88 368 = 80 000 + 8 000 + 300 + 60 + 8
 b) 98 135 = 90 000 + 8 000 + 100 + 30 + 5
 c) 30 065 = 30 000 + 0 + 60 + 5
 d) Ninety six thousand, two hundred and fifty seven = 96 257 = 90 000 + 6 000 + 200 + 50 + 7
 e) Eighty thousand, five hundred and two = 80 502 = 80 000 + 500 + 2
 f) Ten thousand and five = 10 005 = 10 000 + 5
 g) 15 thousand, 298 = 15 298 = 10 000 + 5 000 + 200 + 90 + 8
 h) 70 thousand, 28 = 70 028 = 70 000 + 20 + 8

Write the following numbers in numbered form:

a) 34 286 = 30 thousands + 4 hundreds + 2 tens + 8 ones
 b) 40 128 = 40 thousands + 1 hundred + 2 tens + 8 ones
 c) 56 138 = 50 thousands + 6 hundreds + 3 tens + 8 ones
 d) 18 650 = 18 thousands + 6 hundreds + 5 tens + 0 ones
 e) Seventy two thousand, six hundred and fourteen = 72 614 = 70 thousands + 2 hundreds + 6 tens + 14 ones
 f) 8 thousand, 4 tens + 6 hundreds + 0 ones = 8 460
 g) Eighteen thousand, five hundred and twenty seven = 18 527 = 10 thousands + 8 hundreds + 5 tens + 27 ones
 h) Ninety thousand, and nineteen = 90 019 = 90 thousands + 0 hundreds + 19 tens + 9 ones
 i) 1 ten + 0 hundreds + 50 thousands + 5 ones = 50 010

Write the following numbers in word form:

a) 48 300: Forty eight thousand, three hundred and thirty

b) 29 028: Twenty nine thousand and twenty eight

c) 26 106: Two thousand, one hundred and five

d) 12 thousand, 388: Twelve thousand, three hundred and eight

e) 18 thousand, 830: Eighteen thousand, eight hundred and thirty

f) 10 thousand, 078: Ten thousand and seventy eight

Write the following numbers in word form:

a) 30 thousand + 6 hundreds + 4 tens + 2 ones =
 Thirty thousand, six hundred and forty two

b) 63 thousand + 8 tens + 6 hundreds + 2 ones =
 Sixty three thousand, eight hundred and twenty two

c) 3 hundreds + 62 thousands + 8 ones + 6 tens =
 Sixty two thousand, two hundred and eighty six

d) 7 ones + 98 thousands + 4 hundreds + 3 tens =
 Ninety eight thousand, four hundred and thirty seven

e) 30 008 + 2 000 + 100 = 32 108
 Thirty two thousand, one hundred and thirty eight

f) 10 + 80 000 + 600 + 4 + 7 000 =
 Eighty seven thousand, six hundred and fourteen

g) 30 000 = 30 + 4 =
 Twenty thousand and fifty four

h) 80 008 + 4 000 + 70 =
 Ninety four thousand and seventy

Unit 2

Choose the correct number:

a) Fifty thousand, seven hundred and thirty six = 57 360
 b) Ninety thousand, 12 = 90 012
 c) 30 000 + 200 + 4 = 30 204
 d) 100 hundreds = 10 000
 e) 25 thousands + 6 ones + 7 hundreds + 8 tens = 25 786

Complete the following:

a) 18 thousand, 30 = 18 030
 b) 200 + 80 000 + 5 000 + 7 = 80 207
 c) 97 350 = 90 000 + 7 000 + 300 + 50 + 0
 d) 11 thousand + 8 tens + 7 ones + 2 hundreds = 11 278
 e) 90 288 (Word form): Ninety thousand, two hundred and eighty eight

Match:

Twenty thousand and eight hundred	80 080
Forty thousand and ninety seven	40 097
Forty thousand, one hundred and nine	40 109
Ninety thousand, nine hundred and ninety	90 990

Write the number shown on the Abacus:

900 033
 900 thousands + 0 hundreds + 3 tens + 3 ones
 900 000 + 0 + 30 + 3

200 300
 200 thousands + 3 hundreds + 0 tens + 0 ones
 200 000 + 300 + 0 + 0

420 421
 400 thousands + 20 hundreds + 0 tens + 4 tens + 2 ones + 1 one
 400 000 + 20 000 + 0 + 40 + 2 + 1

420 thousand, 420
 400 thousands + 20 hundreds + 4 tens + 2 ones + 4 tens + 2 ones
 400 000 + 20 000 + 400 + 20 + 0

MAIN

Write the number shown on the Abacus:

758 372
Seven hundred fifty thousand and seventy two
 $758\ 000 + 300 + 70 + 2$

758 thousands + 3 hundreds + 7 tens + 2 ones

700 810
Seven hundred thousand, eight hundred and ten
 $700\ 000 + 800 + 10 + 0$

700 thousands + 8 hundreds + 1 tens + 0 ones

215 003
Two hundred fifteen thousand and three
 $200\ 000 + 15\ 000 + 3\ 000 + 0 + 0 + 3$

200 thousands + 15 hundreds + 3 tens + 0 ones

55

MAIN

Write the following numbers in standard form:

a) Five hundred six thousand, two hundred forty five: 506 245
b) 317 thousands + 5 hundreds + 2 tens + 3 ones = 317 323
c) 511 thousands + 4 tens = 511 400
d) 230 887 + 40 000 + 5 000 + 600 + 90 + 2 = 240 887

Write the following numbers in word form:

a) 600 000: One hundred thousand and sixty six
b) 550 thousand + 2 hundreds: Five hundred and fifty thousand and two hundred
c) 220 thousand, 20: Two hundred six thousand and twenty
d) 270 887 + 200: Two hundred thousand and two hundred

Write the following numbers in short word form:

a) Five hundred thousand and fifteen: 500 thousand, 15
b) 163 thousand + 12 tens: 163 thousand, 320
c) 775 887 + 270 thousand, 80: 1 045 887
d) 700 900 + 10 000 + 8 000 + 600 + 80 + 1: 718 981

Write the following numbers in expanded form:

a) 810 125 = 800 000 + 10 000 + 5 000 + 100 + 20 + 5
b) 199 375 = 199 thousands + 3 hundreds + 7 tens + 5 ones
c) Seven hundred ninety five thousand, nine hundred eighty four = 700 000 + 90 000 + 5 000 + 800 + 40 + 4
d) 515 thousand, 175 = 500 000 + 10 000 + 5 000 + 100 + 50 + 1

56

MAIN

Write the number shown on the Abacus:

349 903
Three hundred and ninety nine thousand, nine hundred and three
 $300\ 000 + 40\ 000 + 9\ 000 + 900 + 0 + 3$

754 321
Seven hundred and fifty four thousand, three hundred and twenty one
 $700\ 000 + 50\ 000 + 4\ 000 + 300 + 20 + 1$

249 005
Two hundred and forty nine thousand, five hundred and five
 $200\ 000 + 40\ 000 + 9\ 000 + 0 + 0 + 5$

248 thousand, 800
Two hundred and forty eight thousand, eight hundred and eighty
 $200\ 000 + 40\ 000 + 8\ 000 + 800 + 80 + 0$

57

MAIN

Write the number shown on the Abacus:

372 455
Three hundred seventy two thousand, four hundred and fifty five
 $300\ 000 + 70\ 000 + 2\ 000 + 400 + 50 + 5$

372 thousands + 4 hundreds + 5 tens + 5 ones

604 040
Six hundred and four thousand, four hundred
 $600\ 000 + 4\ 000 + 0 + 400 + 0 + 0$

604 thousands + 4 hundreds + 0 tens + 0 ones

484 000
Four hundred and eighty four thousand
 $400\ 000 + 80\ 000 + 4\ 000 + 0 + 0 + 0$

404 thousands + 8 hundreds + 0 tens + 0 ones

58

MAIN

Write the number shown on the Abacus:

621 994
Six hundred twenty one thousand, nine hundred and four
 $600\ 000 + 20\ 000 + 1\ 000 + 900 + 90 + 4$

621 thousands + 9 hundreds + 9 tens + 4 ones

785 573
Seven hundred eighty five thousand, five hundred and seventy three
 $700\ 000 + 80\ 000 + 5\ 000 + 500 + 70 + 3$

700 thousands + 80 thousands + 5 thousands + 5 hundreds + 7 tens + 3 ones

237 780
Two hundred thirty seven thousand, seven hundred and eighty
 $200\ 000 + 30\ 000 + 7\ 000 + 700 + 80 + 0$

200 thousands + 30 thousands + 7 thousands + 7 hundreds + 8 tens + 0 ones

59

MAIN

Write the number shown on the Abacus:

499 900
Four hundred and ninety nine thousand, nine hundred
 $400\ 000 + 90\ 000 + 9\ 000 + 900 + 0 + 0$

499 thousands + 9 hundreds + 9 tens + 0 ones

503 000
Five hundred and three thousand
 $500\ 000 + 3\ 000 + 0 + 0 + 0 + 0$

503 thousands + 0 hundreds + 0 tens + 0 ones

412 004
Four hundred and twelve thousand, four
 $400\ 000 + 10\ 000 + 2\ 000 + 0 + 0 + 4$

400 thousands + 10 thousands + 2 thousands + 0 hundreds + 0 tens + 4 ones

60

MAIN

Write the following numbers in standard form:

a) Nine hundred nine thousand, ninety nine: 909 099
b) Five hundred twenty six thousand, fifteen: 526 015
c) Two hundred thirty thousand, three hundred: 230 300
d) Five hundred thousand, fifty: 500 050
e) Five hundred fifty thousand: 550 000
f) Five hundred thousand, five: 500 005
g) Five hundred five thousand: 505 000
h) Five hundred five thousand, five hundred: 505 500
i) Eight hundred sixty seven thousand, seven hundred and eighty four: 867 804
j) Seven hundred thirty thousand, thirty seven: 730 337
k) Nine hundred ninety nine thousand, nine hundred and ninety nine: 999 999
l) Four hundred forty thousand, four hundred four: 444 404
m) Six hundred sixty thousand, six hundred and seventy three: 660 673

61

MAIN

Write the following numbers in word form:

a) 795 571: Seven hundred and ninety five thousand, five hundred and seventy one
b) 802 020: Eight hundred and two thousand, two hundred
c) 840 120: Eight hundred and forty thousand, one hundred and twenty
d) 895 217: Eight hundred and ninety five thousand, two hundred and seventeen
e) 600 209: Six hundred thousand, two hundred and nine
f) 309 000: Three hundred and nine thousand
g) 300 309: Three hundred thirty nine thousand
h) 500 003: Five hundred thousand and three
i) 300 030: Three hundred thousand and thirty

62

Complete

a) 900 000 + 20 000 + 4 000 + 800 + 90 + 3 = 924 893
b) 8 = 30 + 500 + 3 000 + 70 000 + 800 000 = 873 038
c) 600 000 + 2 000 + 900 + 7 = 602 907
d) 500 000 + 20 000 + 3 = 520 003
e) 600 000 + 100 + 40 + 2 = 600 042
f) 50 = 600 000 + 5 000 = 605 050
g) 780 000 = 700 000 + 80 000 + 0 + 0 + 0
h) 900 000 = 900 000 + 3 000 + 100 + 0
i) 100 000 = 100 000 + 800 + 3
j) 900 007 = 900 000 + 2 000 + 7
k) 800 000 = 800 000 + 70 000 + 10 000 + 3 000 + 200 + 10
l) 800 000 = 800 000 + 70 000 + 10 000 + 3 000 + 200 + 10
m) 10 000 = 10 000 + 0 + 0 + 0 + 0 + 0 + 0 + 0 + 0 + 0
n) 100 000 = 100 000 + 0 + 0 + 0 + 0 + 0 + 0 + 0 + 0 + 0
o) 100 000 = 100 000 + 0 + 0 + 0 + 0 + 0 + 0 + 0 + 0 + 0
p) 100 000 = 100 000 + 0 + 0 + 0 + 0 + 0 + 0 + 0 + 0 + 0
q) 100 000 = 100 000 + 0 + 0 + 0 + 0 + 0 + 0 + 0 + 0 + 0
r) 100 000 = 100 000 + 0 + 0 + 0 + 0 + 0 + 0 + 0 + 0 + 0
s) 100 000 = 100 000 + 0 + 0 + 0 + 0 + 0 + 0 + 0 + 0 + 0
t) 100 000 = 100 000 + 0 + 0 + 0 + 0 + 0 + 0 + 0 + 0 + 0
u) 100 000 = 100 000 + 0 + 0 + 0 + 0 + 0 + 0 + 0 + 0 + 0
v) 100 000 = 100 000 + 0 + 0 + 0 + 0 + 0 + 0 + 0 + 0 + 0
w) 100 000 = 100 000 + 0 + 0 + 0 + 0 + 0 + 0 + 0 + 0 + 0
x) 100 000 = 100 000 + 0 + 0 + 0 + 0 + 0 + 0 + 0 + 0 + 0
y) 100 000 = 100 000 + 0 + 0 + 0 + 0 + 0 + 0 + 0 + 0 + 0
z) 100 000 = 100 000 + 0 + 0 + 0 + 0 + 0 + 0 + 0 + 0 + 0

63

MAINS

Exercise 3

1. Choose the correct answer.

1. Five hundred and thirty thousand, forty two = $530\ 420$ or $53\ 042$ or $530\ 42$ or $53\ 042$

2. 700 thousand, 2 = $700\ 002$ or $700\ 0002$ or $700\ 000$ or $700\ 0002$

3. $5 \times 100 + 0 \times 10 + 0 \times 1 = 500$ or 50 or 5 or 5000

4. 700 thousand, 200 = $700\ 200$ or $700\ 020$ or $700\ 20$ or $700\ 200$

5. 600 thousand + 5 hundred + 2 tens = $600\ 520$ or $600\ 52$ or $600\ 520$ or $600\ 520$

2. Complete the following.

1. The number 5 is in the thousands, the tens = $251\ 032$

2. $77\ 000 + 50 + 500\ 000 + 800 + 5 + 1\ 000 = 578\ 555$

3. 270 thousand, 200 = $270\ 200$

4. 940 thousand + 7000 + 5000 = $952\ 070$

5. $100\ 000 + 10\ 000 + 1\ 000 + 100 + 10 + 1 = 111\ 111$

3. Answer the following.

Match:

Six hundred thousand and one hundred and one	600 001
Eight hundred and thirty thousand and one hundred	830 100
Six hundred thirty thousand and six	630 006
Six hundred and thirty thousand and six	630 006

MAINS

Exercise 4

The place-value

1. Write the value of the digit 7 in each of the following:

700 000 : 700 000
700 000 : 700 000
700 000 : 700 000
700 000 : 700 000

2. Write the place-value of the digit 7 in each of the following:

532 498 : hundreds
9 47 239 : ten thousands
325 374 : tens
6 14 895 : thousands
250 211 : tens
7 421 103 : hundred thousands

3. Complete each of the following:

250 000 + 25 = 250 025
20 000 + 2 = 20 002
500 000 + 900 = 500 900
20 000 + 140 = 20 140
775 thousand + 5 hundred + 4 tens = 775 540
5000 + 354 thousand + 4 tens = 354 040
450 045 = 450 000 + 45
200 020 = 200 000 + 20
70 200 = 70 thousand + 2 hundred + 0 tens + 0 ones

MAINS

Exercise 5

1. Write the value of the digit 7 in each of the following:

648 691 : 700
608 720 : 700
670 600 : 700 000
621 370 : 70
750 000 : 700 000
607 000 : 7000
606 700 : 700
607 007 : 7
70 72 : 70
700 : 700

2. Write the place-value of the digit 7 in each of the following:

138 124 : tens
608 417 : hundred
240 125 : thousands
708 247 : tens
114 810 : thousands
471 652 : hundred
4 300 : thousands
1 240 : tens
413 : hundred
364 : ones

3. Complete each of the following:

1) 200 000 + 50 = 200 050
2) 100 000 + 6000 = 106 000
3) 500 000 + 9 = 500 009
4) 40 000 + 400 = 40 400
5) 600 000 + 500 (500 000) + 900 000 + 20 = 1 500 200
6) 100 000 + 15 = 100 015
7) 600 000 + 5 = 600 005
8) 600 000 + 300 000 = 900 000
9) 77 000 + 77 = 77 077
10) 60 000 + 60 = 60 060
11) 60 000 + 60 000 = 120 000
12) 700 070 + 70 = 700 140
13) 120 500 + 500 = 121 000
14) 100 000 + 20 000 + 5 000 + 200 + 50 + 5 = 125 255
15) 80 000 + 8 000 + 800 + 80 + 8 = 88 888
16) 8 + 1 000 + 90 + 900 000 + 200 = 901 299
17) 90 + 900 000 + 9 = 900 090
18) 000 + 3 000 + 300 000 = 303 000
19) 200 thousand + 5 hundred + 3 tens + 5 ones = 200 535
20) 5 hundred + 500 thousand + 3 ones = 500 503
21) 7 tens + 400 thousand + 8 ones = 400 077
22) 90 thousand + 3 tens = 90 030
23) 335 400 = 335 thousand + 4 hundred + 0 tens + 0 ones
24) 50 207 = 50 thousand + 2 hundred + 0 tens + 7 ones

MAINS

Exercise 6

1. Complete the following table.

	The number	The value of the digit 7	The place-value of the digit 7
a	700 120	700 000	hundred thousands
b	100 000	10 000	ten thousands
c	200 400	400	hundreds
d	410 007	70	tens
e	800 000	0	ones
f	610 000	0	thousands
g	247 000	0	hundreds
h	310 200	2	tens
i	600 000	0	hundred thousands
j	400 000	0	thousands
k	200 000	0	tens
l	200 000	0	thousands
m	60 000	0	tens
n	200 000	0	hundreds
o	200 000	0	tens
p	200 000	0	tens
q	200 000	0	tens
r	200 000	0	tens

MAINS

Exercise 7

1. Write the value of the digit 7 in each of the following:

648 691 : 700
608 720 : 700
670 600 : 700 000
621 370 : 70
750 000 : 700 000
607 000 : 7000
606 700 : 700
607 007 : 7
70 72 : 70
700 : 700

2. Write the place-value of the digit 7 in each of the following:

138 124 : tens
608 417 : hundred
240 125 : thousands
708 247 : tens
114 810 : thousands
471 652 : hundred
4 300 : thousands
1 240 : tens
413 : hundred
364 : ones

3. Complete each of the following:

1) 200 000 + 50 = 200 050
2) 100 000 + 6000 = 106 000
3) 500 000 + 9 = 500 009
4) 40 000 + 400 = 40 400
5) 600 000 + 500 (500 000) + 900 000 + 20 = 1 500 200
6) 100 000 + 15 = 100 015
7) 600 000 + 5 = 600 005
8) 600 000 + 300 000 = 900 000
9) 77 000 + 77 = 77 077
10) 60 000 + 60 = 60 060
11) 60 000 + 60 000 = 120 000
12) 700 070 + 70 = 700 140
13) 120 500 + 500 = 121 000
14) 100 000 + 20 000 + 5 000 + 200 + 50 + 5 = 125 255
15) 80 000 + 8 000 + 800 + 80 + 8 = 88 888
16) 8 + 1 000 + 90 + 900 000 + 200 = 901 299
17) 90 + 900 000 + 9 = 900 090
18) 000 + 3 000 + 300 000 = 303 000
19) 200 thousand + 5 hundred + 3 tens + 5 ones = 200 535
20) 5 hundred + 500 thousand + 3 ones = 500 503
21) 7 tens + 400 thousand + 8 ones = 400 077
22) 90 thousand + 3 tens = 90 030
23) 335 400 = 335 thousand + 4 hundred + 0 tens + 0 ones
24) 50 207 = 50 thousand + 2 hundred + 0 tens + 7 ones

MAINS

Exercise 8

1. Complete in the same pattern.

20 000 : 20 000 : 20 000 : 20 000
20 000 : 20 000 : 20 000 : 20 000
20 000 : 20 000 : 20 000 : 20 000
20 000 : 20 000 : 20 000 : 20 000

2. The number 20 000 comes right after 19 999.

3. The number 20 000 comes right before 20 001.

4. The number that comes right after 20 000 is 20 001.

5. The number that comes right before 20 000 is 19 999.

6. The number that comes right after 20 000 is 20 001.

7. The number that comes right before 20 000 is 19 999.

8. The number that comes right after 20 000 is 20 001.

9. The number that comes right before 20 000 is 19 999.

10. The number that comes right after 20 000 is 20 001.

11. The number that comes right before 20 000 is 19 999.

12. The number that comes right after 20 000 is 20 001.

13. The number that comes right before 20 000 is 19 999.

14. The number that comes right after 20 000 is 20 001.

15. The number that comes right before 20 000 is 19 999.

16. The number that comes right after 20 000 is 20 001.

17. The number that comes right before 20 000 is 19 999.

18. The number that comes right after 20 000 is 20 001.

19. The number that comes right before 20 000 is 19 999.

20. The number that comes right after 20 000 is 20 001.

MAINS

Exercise 9

1. Choose the correct answer.

1. Twenty two thousand, four hundred and six = $22\ 406$ or $22\ 400$ or $22\ 406$ or $22\ 406$

2. 200 000 + 50 = $200\ 050$ or $200\ 000$ or $200\ 000$ or $200\ 000$

3. 20 thousand + 500 = $20\ 500$ or $20\ 000$ or $20\ 000$ or $20\ 000$

4. 200 + 20 = 220 or 20 or 20 or 20

5. The value of the digit 5 in the number 500 100 is $50\ 000$ or 500 or 500 or 500

2. Complete the following.

1. 500 000 + 500 000 + 500 000 + 500 000 = $2\ 000\ 000$

2. The place-value of the digit 5 in the number 500 100 is $50\ 000$

3. 7000 + 3000 + 2000 = $12\ 000$

4. 90 thousand, 50 = $90\ 050$ (Standard form)

5. 750 000 (Word form) : Two hundred fifty thousand and fifty

3. Answer the following.

1. Write the value of the underlined digit in each of the following:

a) 520 540 : 500 000
b) 300 500 : 300 000
c) 500 000 : 500 000
d) 500 000 : 500 000

2. Write the place-value of the underlined digit in each of the following:

a) 500 500 : thousands
b) 500 500 : thousands
c) 500 500 : thousands
d) 500 500 : thousands

MAINS

Exercise 10

Before and After

1. The number 56 700 comes right after 56 699.

2. The number that comes right after 56 700 is 56 701.

3. The number 56 700 comes right before 56 701.

4. The number that comes right before 56 700 is 56 699.

5. The number that comes right after 56 700 is 56 701.

6. The number that comes right before 56 700 is 56 699.

7. The number that comes right after 56 700 is 56 701.

8. The number that comes right before 56 700 is 56 699.

9. The number that comes right after 56 700 is 56 701.

10. The number that comes right before 56 700 is 56 699.

11. The number that comes right after 56 700 is 56 701.

12. The number that comes right before 56 700 is 56 699.

13. The number that comes right after 56 700 is 56 701.

14. The number that comes right before 56 700 is 56 699.

15. The number that comes right after 56 700 is 56 701.

16. The number that comes right before 56 700 is 56 699.

17. The number that comes right after 56 700 is 56 701.

18. The number that comes right before 56 700 is 56 699.

19. The number that comes right after 56 700 is 56 701.

20. The number that comes right before 56 700 is 56 699.

MAINS

Exercise 11

1. Complete in the same pattern.

20 000 : 20 000 : 20 000 : 20 000
20 000 : 20 000 : 20 000 : 20 000
20 000 : 20 000 : 20 000 : 20 000
20 000 : 20 000 : 20 000 : 20 000

2. The number 20 000 comes right after 19 999.

3. The number 20 000 comes right before 20 001.

4. The number that comes right after 20 000 is 20 001.

5. The number that comes right before 20 000 is 19 999.

6. The number that comes right after 20 000 is 20 001.

7. The number that comes right before 20 000 is 19 999.

8. The number that comes right after 20 000 is 20 001.

9. The number that comes right before 20 000 is 19 999.

10. The number that comes right after 20 000 is 20 001.

11. The number that comes right before 20 000 is 19 999.

12. The number that comes right after 20 000 is 20 001.

13. The number that comes right before 20 000 is 19 999.

14. The number that comes right after 20 000 is 20 001.

15. The number that comes right before 20 000 is 19 999.

16. The number that comes right after 20 000 is 20 001.

17. The number that comes right before 20 000 is 19 999.

18. The number that comes right after 20 000 is 20 001.

19. The number that comes right before 20 000 is 19 999.

20. The number that comes right after 20 000 is 20 001.

Maths

1. The largest number formed from the digits:

(1) 6, 0, 2, 7 and 3 is 478 522
 (2) 7, 4, 2, 0, 1 and 5 is 742 101
 (3) 0, 0, 5 and 4 is 544
 (4) 0, 0, 4 and 1 is 410
 (5) 0, 2, 4, 0 and 7 is 7420
 (6) 2, 7, 0 and 3 is 7320

2. The smallest number formed from the digits:

(1) 4, 2, 5 and 0 is 2045
 (2) 7, 0, 0 and 4 is 4070
 (3) 2, 0, 5 and 3 is 2035
 (4) 1, 0, 0, 0 and 1 is 10001
 (5) 0, 2, 7, 0 and 6 is 20670
 (6) 4, 1, 0, 7, 0 and 9 is 104670

3. The largest and the smallest 5-digit number formed from the digits:

(1) 8, 3, 7 and 9 is 89732, 22379
 (2) 3, 2 and 9 is 9932, 2239
 (3) 0 and 3 is 9003, 2330

4. The largest and the smallest 4-digit number formed from the digits:

(1) 2, 0 and 3 is 3002, 2223
 (2) 9, 3, 0 and 1 is 9001, 11209
 (3) 3 and 0 is 3000, 0033

Maths

1. Choose the correct answer:

(1) The largest number formed from 5 different digits is 98765
 (2) 720 072 = 721
 (3) The value of the digit 1 in the number 438 588 is 40 000
 (4) 45 hundreds = 4500
 (5) 10 thousands + 90 tens + 5 hundreds + 1 tens = 10 950

2. Complete the following:

(1) 1000 000 + 100 000 = 1 100 000
 (2) The smallest 4-digit number formed from the digits 1, 9, 2 and 7 is 1279
 (3) The smallest 4-digit number is 1000
 (4) The place value of the digit 5 in the number 54 321 is Hundreds
 (5) 72 000 = 70 000 + 2000 + 0 + 0 + 0

3. Answer the following:

(1) 999 821 > 998 321
 (2) 991 010 < 991 001
 (3) 4 000 > 3 999
 (4) 7 043 < 7 403
 (5) 3 thousands + 3 tens + 3 ones = 3033
 (6) The area of a 5-digit number > 100 000
 (7) 100 + 20 + 300 + 7000 + 10 000 = 10 990

Maths

1. Arranging the numbers

Ascending order:
 From the smallest number to the greatest number.

Descending order:
 From the greatest number to the smallest number.

Arrange each group of the following numbers in ascending order and in descending order:

(1) 203 510, 605 700, 700 120, 100 700, 445 005
 Ascending order: 100 700, 203 510, 445 005, 605 700, 700 120
 Descending order: 700 120, 605 700, 445 005, 203 510, 100 700

(2) 50 050, 60 000, 50 000, 60 555, 50 055
 Ascending order: 50 000, 50 050, 50 055, 60 000, 60 555
 Descending order: 60 555, 60 000, 50 055, 50 050, 50 000

Maths

1. Arrange each group of the following numbers in ascending order and in descending order:

(1) 45 000, 21 700, 98 102, 78 023, 62 610
 Ascending order: 21 700, 45 000, 62 610, 78 023, 98 102
 Descending order: 98 102, 78 023, 62 610, 45 000, 21 700

(2) 82 023, 98 123, 75 023, 54 307, 20 300
 Ascending order: 20 300, 54 307, 75 023, 82 023, 98 123
 Descending order: 98 123, 82 023, 75 023, 54 307, 20 300

(3) 500 500, 500 000, 500 000, 500 000, 500 000
 Ascending order: 500 000, 500 000, 500 000, 500 000, 500 500
 Descending order: 500 500, 500 000, 500 000, 500 000, 500 000

(4) 700 004, 700 000, 700 004, 700 004, 700 000
 Ascending order: 700 000, 700 004, 700 004, 700 004, 700 000
 Descending order: 700 004, 700 000, 700 004, 700 004, 700 000

Maths

1. Arrange each group of the following numbers in ascending order and in descending order:

(1) 5 123, 0 120, 9 320, 0 019, 7 002
 Ascending order: 0 019, 0 120, 5 123, 7 002, 9 320
 Descending order: 9 320, 5 123, 7 002, 0 120, 0 019

(2) 100 451, 100 154, 100 541, 100 415, 100 145
 Ascending order: 100 145, 100 154, 100 415, 100 451, 100 541
 Descending order: 100 541, 100 451, 100 415, 100 154, 100 145

(3) 15 000, 15 000, 15 000, 15 000, 15 000
 Ascending order: 15 000, 15 000, 15 000, 15 000, 15 000
 Descending order: 15 000, 15 000, 15 000, 15 000, 15 000

(4) 40 000, 40 000, 40 000, 40 000, 40 000
 Ascending order: 40 000, 40 000, 40 000, 40 000, 40 000
 Descending order: 40 000, 40 000, 40 000, 40 000, 40 000

(5) 9 000, 1 000, 10 000, 1 000, 10 000
 Ascending order: 1 000, 1 000, 9 000, 10 000, 10 000
 Descending order: 10 000, 10 000, 9 000, 1 000, 1 000

Maths

1. Choose the correct answer:

(1) 5 ones + 3 hundreds = 34 tens or 3 tens = 340 or 34 tens = 3400
 (2) 1000 tens = 100 000
 (3) 1000 tens = 100 000
 (4) 1000 tens = 100 000

2. Complete the following:

(1) The place value of the digit 7 in the number 881 016 is Hundreds
 (2) From 500 000, 500 000 comes right after 500 000
 (3) 50 000, 50 000, 50 000, 50 000, 50 000
 (4) 1000 tens = 100 000
 (5) 2000 more than 1000 is 3000

3. Answer the following:

(1) Arrange the following numbers in ascending order: 40 000, 40 000, 40 000, 40 000, 40 000
 (2) Arrange the following numbers in descending order: 40 000, 40 000, 40 000, 40 000, 40 000
 (3) Arrange the following numbers in ascending order: 50 000, 50 000, 50 000, 50 000, 50 000
 (4) Arrange the following numbers in descending order: 50 000, 50 000, 50 000, 50 000, 50 000

Maths

1. Complete using <, >, or =:

5 023 < 5 009
 10 101 > 10 101
 20 thousands + 10 hundreds < 30 000
 90 = 900

2. Write the number shown on the Abacus:

91 000
 Ninety one thousand and eighty nine

3. Complete in the same pattern:

87 000, 87 000, 87 000, 87 000
 87 000, 87 000, 87 000, 87 000
 87 000, 87 000, 87 000, 87 000

Maths

1. Addition

1.1 Addition using the place-value strategy:

Example:
 To add: 3 567 + 1 521
 3 567 = 3 000 + 500 + 60 + 7
 1 521 = 1 000 + 500 + 20 + 1
 4 000 + 1 000 + 80 + 8 = 5 088

2. Solve the addition problems below using the place-value strategy:

Problems	Work Space	Sum
887 + 321	$\begin{array}{r} 887 \\ + 321 \\ \hline 1208 \end{array}$	1208
5 237 + 1 502	$\begin{array}{r} 5237 \\ + 1502 \\ \hline 6739 \end{array}$	6739
2 514 + 270	$\begin{array}{r} 2514 \\ + 270 \\ \hline 2784 \end{array}$	2784

Maths

1. Addition using the Number Line strategy:

Example:
 To add: 607 + 521
 607 + 500 = 1107
 1107 + 20 = 1127
 1127 + 1 = 1128

2. Solve the addition problems below using the Number Line strategy:

Problems	Work Space	Sum
557 + 321	$\begin{array}{r} 557 \\ + 321 \\ \hline 878 \end{array}$	878
5 037 + 1 652	$\begin{array}{r} 5037 \\ + 1652 \\ \hline 6689 \end{array}$	6689
2 514 + 270	$\begin{array}{r} 2514 \\ + 270 \\ \hline 2784 \end{array}$	2784
2 481 + 503	$\begin{array}{r} 2481 \\ + 503 \\ \hline 2984 \end{array}$	2984

MAIN **Problem Solving**

2. Solve the addition problems below using (The place-value strategy)

Problem	Work Space	Sum
253 + 124	$\begin{array}{r} 700 + 50 + 3 \\ 100 + 20 + 7 \\ 900 + 70 + 10 \\ \hline \end{array}$	377
378 + 342	$\begin{array}{r} 900 + 70 + 8 \\ 900 + 40 + 2 \\ 1800 + 110 + 10 \\ \hline \end{array}$	720
128 + 439	$\begin{array}{r} 100 + 20 + 8 \\ 400 + 30 + 9 \\ 500 + 50 + 17 \\ \hline \end{array}$	567
428 + 297	$\begin{array}{r} 400 + 20 + 8 \\ 200 + 90 + 7 \\ 600 + 110 + 15 \\ \hline \end{array}$	725
106 + 602	$\begin{array}{r} 100 + 0 + 6 \\ 600 + 0 + 2 \\ 700 + 0 + 8 \\ \hline \end{array}$	708

91

MAIN

Problem	Work Space	Sum
5 125 + 3 753	$\begin{array}{r} 5000 + 100 + 20 + 5 \\ 3000 + 700 + 50 + 3 \\ \hline 8000 + 800 + 70 + 8 \\ \hline \end{array}$	8 878
6 287 + 1 521	$\begin{array}{r} 6000 + 200 + 80 + 7 \\ 1000 + 500 + 20 + 1 \\ \hline 7000 + 700 + 100 + 8 \\ \hline \end{array}$	7 808
2 458 + 3 451	$\begin{array}{r} 2000 + 400 + 50 + 8 \\ 3000 + 400 + 50 + 1 \\ \hline 5000 + 800 + 100 + 9 \\ \hline \end{array}$	5 909
6 488 + 2 314	$\begin{array}{r} 6000 + 400 + 80 + 8 \\ 2000 + 300 + 10 + 4 \\ \hline 8000 + 700 + 90 + 12 \\ \hline \end{array}$	8 800
7 357 + 2 42	$\begin{array}{r} 7000 + 300 + 50 + 7 \\ 200 + 40 + 2 \\ \hline 7000 + 340 + 52 + 9 \\ \hline \end{array}$	7 599
8 824 + 257	$\begin{array}{r} 8000 + 800 + 20 + 4 \\ 200 + 50 + 7 \\ \hline 9000 + 850 + 27 + 11 \\ \hline \end{array}$	9 081

92

MAIN

2. Solve the addition problems below using (The number line strategy)

Problem	Work Space	Sum
898 + 243	$\begin{array}{c} 898 + 200 = 1098 \\ 1098 + 40 = 1138 \\ 1138 + 3 = 1141 \end{array}$	1141
147 + 237	$\begin{array}{c} 147 + 100 = 247 \\ 247 + 70 = 317 \\ 317 + 7 = 324 \end{array}$	324
124 + 773	$\begin{array}{c} 124 + 100 = 224 \\ 224 + 70 = 294 \\ 294 + 70 = 364 \\ 364 + 3 = 367 \end{array}$	897
257 + 212	$\begin{array}{c} 257 + 200 = 457 \\ 457 + 10 = 467 \\ 467 + 2 = 469 \end{array}$	469
834 + 421	$\begin{array}{c} 834 + 400 = 1234 \\ 1234 + 20 = 1254 \\ 1254 + 1 = 1255 \end{array}$	1255

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MAIN

Problem	Work Space	Sum
5 125 + 4 234	$\begin{array}{r} 5000 + 100 + 20 + 5 \\ 4000 + 200 + 30 + 4 \\ \hline 9000 + 300 + 50 + 9 \\ \hline \end{array}$	9 359
6 661 + 2 833	$\begin{array}{r} 6000 + 600 + 60 + 1 \\ 2000 + 800 + 30 + 3 \\ \hline 8000 + 1400 + 90 + 4 \\ \hline \end{array}$	8 834
4 258 + 5 124	$\begin{array}{r} 4000 + 200 + 50 + 8 \\ 5000 + 100 + 20 + 4 \\ \hline 9000 + 300 + 70 + 12 \\ \hline \end{array}$	9 382
6 424 + 325	$\begin{array}{r} 6000 + 400 + 20 + 4 \\ 300 + 20 + 5 \\ \hline 6300 + 420 + 25 + 9 \\ \hline \end{array}$	6 749
3 287 + 413	$\begin{array}{r} 3000 + 200 + 80 + 7 \\ 400 + 10 + 3 \\ \hline 3400 + 210 + 83 + 10 \\ \hline \end{array}$	3 700

94

MAIN

3. Find the sum of each of the following:

$\begin{array}{r} 123 \\ + 756 \\ \hline 879 \end{array}$	$\begin{array}{r} 325 \\ + 531 \\ \hline 856 \end{array}$	$\begin{array}{r} 456 \\ + 189 \\ \hline 645 \end{array}$
$\begin{array}{r} 123 \\ + 54 \\ \hline 177 \end{array}$	$\begin{array}{r} 325 \\ + 21 \\ \hline 346 \end{array}$	$\begin{array}{r} 959 \\ + 1001 \\ \hline 1960 \end{array}$
$\begin{array}{r} 123 \\ + 156 \\ \hline 279 \end{array}$	$\begin{array}{r} 722 \\ + 179 \\ \hline 901 \end{array}$	$\begin{array}{r} 705 \\ + 172 \\ \hline 877 \end{array}$

95

MAIN **Read & Think**

1. Choose the correct answer.

The lowest 8 digits of digit number is

2. 500 thousand, 50 = 500 000

3. 500 comes right after 499 999

4. The value of the digit 8 in the number 800 000 is 800 000

5. The value of the digit 8 in the number 800 000 is 800 000

6. The value of the digit 8 in the number 800 000 is 800 000

7. The value of the digit 8 in the number 800 000 is 800 000

8. The value of the digit 8 in the number 800 000 is 800 000

9. The value of the digit 8 in the number 800 000 is 800 000

10. The value of the digit 8 in the number 800 000 is 800 000

11. The value of the digit 8 in the number 800 000 is 800 000

12. The value of the digit 8 in the number 800 000 is 800 000

13. The value of the digit 8 in the number 800 000 is 800 000

14. The value of the digit 8 in the number 800 000 is 800 000

15. The value of the digit 8 in the number 800 000 is 800 000

16. The value of the digit 8 in the number 800 000 is 800 000

17. The value of the digit 8 in the number 800 000 is 800 000

18. The value of the digit 8 in the number 800 000 is 800 000

19. The value of the digit 8 in the number 800 000 is 800 000

20. The value of the digit 8 in the number 800 000 is 800 000

21. The value of the digit 8 in the number 800 000 is 800 000

22. The value of the digit 8 in the number 800 000 is 800 000

23. The value of the digit 8 in the number 800 000 is 800 000

24. The value of the digit 8 in the number 800 000 is 800 000

25. The value of the digit 8 in the number 800 000 is 800 000

26. The value of the digit 8 in the number 800 000 is 800 000

27. The value of the digit 8 in the number 800 000 is 800 000

28. The value of the digit 8 in the number 800 000 is 800 000

29. The value of the digit 8 in the number 800 000 is 800 000

30. The value of the digit 8 in the number 800 000 is 800 000

31. The value of the digit 8 in the number 800 000 is 800 000

32. The value of the digit 8 in the number 800 000 is 800 000

33. The value of the digit 8 in the number 800 000 is 800 000

34. The value of the digit 8 in the number 800 000 is 800 000

35. The value of the digit 8 in the number 800 000 is 800 000

36. The value of the digit 8 in the number 800 000 is 800 000

37. The value of the digit 8 in the number 800 000 is 800 000

38. The value of the digit 8 in the number 800 000 is 800 000

39. The value of the digit 8 in the number 800 000 is 800 000

40. The value of the digit 8 in the number 800 000 is 800 000

41. The value of the digit 8 in the number 800 000 is 800 000

42. The value of the digit 8 in the number 800 000 is 800 000

43. The value of the digit 8 in the number 800 000 is 800 000

44. The value of the digit 8 in the number 800 000 is 800 000

45. The value of the digit 8 in the number 800 000 is 800 000

46. The value of the digit 8 in the number 800 000 is 800 000

47. The value of the digit 8 in the number 800 000 is 800 000

48. The value of the digit 8 in the number 800 000 is 800 000

49. The value of the digit 8 in the number 800 000 is 800 000

50. The value of the digit 8 in the number 800 000 is 800 000

51. The value of the digit 8 in the number 800 000 is 800 000

52. The value of the digit 8 in the number 800 000 is 800 000

53. The value of the digit 8 in the number 800 000 is 800 000

54. The value of the digit 8 in the number 800 000 is 800 000

55. The value of the digit 8 in the number 800 000 is 800 000

56. The value of the digit 8 in the number 800 000 is 800 000

57. The value of the digit 8 in the number 800 000 is 800 000

58. The value of the digit 8 in the number 800 000 is 800 000

59. The value of the digit 8 in the number 800 000 is 800 000

60. The value of the digit 8 in the number 800 000 is 800 000

61. The value of the digit 8 in the number 800 000 is 800 000

62. The value of the digit 8 in the number 800 000 is 800 000

63. The value of the digit 8 in the number 800 000 is 800 000

64. The value of the digit 8 in the number 800 000 is 800 000

65. The value of the digit 8 in the number 800 000 is 800 000

66. The value of the digit 8 in the number 800 000 is 800 000

67. The value of the digit 8 in the number 800 000 is 800 000

68. The value of the digit 8 in the number 800 000 is 800 000

69. The value of the digit 8 in the number 800 000 is 800 000

70. The value of the digit 8 in the number 800 000 is 800 000

71. The value of the digit 8 in the number 800 000 is 800 000

72. The value of the digit 8 in the number 800 000 is 800 000

73. The value of the digit 8 in the number 800 000 is 800 000

74. The value of the digit 8 in the number 800 000 is 800 000

75. The value of the digit 8 in the number 800 000 is 800 000

76. The value of the digit 8 in the number 800 000 is 800 000

77. The value of the digit 8 in the number 800 000 is 800 000

78. The value of the digit 8 in the number 800 000 is 800 000

79. The value of the digit 8 in the number 800 000 is 800 000

80. The value of the digit 8 in the number 800 000 is 800 000

81. The value of the digit 8 in the number 800 000 is 800 000

82. The value of the digit 8 in the number 800 000 is 800 000

83. The value of the digit 8 in the number 800 000 is 800 000

84. The value of the digit 8 in the number 800 000 is 800 000

85. The value of the digit 8 in the number 800 000 is 800 000

86. The value of the digit 8 in the number 800 000 is 800 000

87. The value of the digit 8 in the number 800 000 is 800 000

88. The value of the digit 8 in the number 800 000 is 800 000

89. The value of the digit 8 in the number 800 000 is 800 000

90. The value of the digit 8 in the number 800 000 is 800 000

91. The value of the digit 8 in the number 800 000 is 800 000

92. The value of the digit 8 in the number 800 000 is 800 000

93. The value of the digit 8 in the number 800 000 is 800 000

94. The value of the digit 8 in the number 800 000 is 800 000

95. The value of the digit 8 in the number 800 000 is 800 000

96. The value of the digit 8 in the number 800 000 is 800 000

97. The value of the digit 8 in the number 800 000 is 800 000

98. The value of the digit 8 in the number 800 000 is 800 000

99. The value of the digit 8 in the number 800 000 is 800 000

100. The value of the digit 8 in the number 800 000 is 800 000

99

MAIN **Subtraction**

1. Subtraction using the place-value strategy.

Problem: 789 - 247

Check: 542 + 247 = 789

2. Solve the subtraction problems below using (The place-value strategy)

Subtraction Problems	Check
894 - 633 = 261	261 + 633 = 894
789 - 456 = 333	333 + 456 = 789
550 - 122 = 428	428 + 122 = 550

97

MAIN **Second** **Subtraction using the number line strategy:**

Problem: 532 - 453

Check: 532 - 453 = 79

2. Solve the subtraction problems below using (The number line strategy)

Subtraction Problems	Check
883 - 532 = 351	351 + 532 = 883
789 - 1218 = 667	667 + 1218 = 2005
6528 - 415 = 6113	6113 + 415 = 6528

98

MAIN **Subtraction**

2. Solve the subtraction problems below using (The place-value strategy)

Subtraction Problems	Check
708 - 138 = 570	570 + 138 = 708
783 - 543 = 240	240 + 543 = 783
827 - 614 = 213	213 + 614 = 827
7458 - 636 = 6822	6822 + 636 = 7458
4882 - 881 = 4001	4001 + 881 = 5882

99

MAINS

Subtraction Problems

1. $7063 - 334 = 6729$

2. $6321 - 6210 = 111$

3. $3168 - 2085 = 1083$

4. $4321 - 391 = 4030$

5. $3500 - 240 = 3260$

6. $9105 - 800 = 8305$

Check

1. $6729 + 334 = 7063$

2. $111 + 6210 = 6321$

3. $1083 + 2085 = 3168$

4. $4030 + 391 = 4421$

5. $3260 + 240 = 3500$

6. $8305 + 800 = 9105$

100

Port

2. Solve the addition problems below using the number line strategy.

Subtraction Problems

1. $753 - 241 = 512$

2. $808 - 318 = 490$

3. $777 - 255 = 522$

4. $654 - 121 = 533$

5. $854 - 284 = 570$

Check

1. $512 + 241 = 753$

2. $490 + 318 = 808$

3. $522 + 255 = 777$

4. $533 + 121 = 654$

5. $570 + 284 = 854$

101

MAINS

Subtraction Problems

1. $7063 - 334 = 6729$

2. $6321 - 6210 = 111$

3. $3168 - 2085 = 1083$

4. $4321 - 391 = 4030$

5. $3500 - 240 = 3260$

6. $9105 - 800 = 8305$

Check

1. $6729 + 334 = 7063$

2. $111 + 6210 = 6321$

3. $1083 + 2085 = 3168$

4. $4030 + 391 = 4421$

5. $3260 + 240 = 3500$

6. $8305 + 800 = 9105$

102

Port

Subtract

1. $753 - 241 = 512$

2. $808 - 318 = 490$

3. $777 - 255 = 522$

4. $654 - 121 = 533$

5. $854 - 284 = 570$

6. $9105 - 800 = 8305$

103

MAINS

Word problems on addition and subtraction

1. The following table shows borrowing books from the library during the month of September.

Grade	P1	P2	P3	P4	P5
Books Borrowed	410	317	276	407	238

Answer the following questions.

1. How many books did students borrow from P1 and P2 grades together?

2. How many books did students borrow from P3, P4 and P5 grades together?

3. How many more books have students borrowed from P2 grade than P4 grade?

4. Which class borrowed the largest number of books?

104

Port

Word problems on addition and subtraction

1. The following table shows borrowing books from the library during the month of September.

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4. Which class borrowed the largest number of books?

105

Port

2. Amir's family is saving to buy a new TV. The TV costs £600.00. They have saved £410.00 so far. How much more money do they need to buy the TV?

$600 - 410 = 190$

3. Dina just moved to the city. He found an apartment to rent for £340.00 per month. He wants to pay £200.00 per month. How much money will he owe him each month to live?

$340 - 200 = 140$

4. Mr. Mansour has chickens. In the past two years his chickens have laid 6,380 eggs. Last year his chickens laid 2,100 eggs. How many eggs did his chickens lay two years ago?

$6380 - 2100 = 4280$

106

Port

2. The table below shows the number of students in each grade in a school. Use this information to answer the questions below.

Grade	P1	P2	P3	P4	P5
Number of Students	354	371	478	398	139

Answer the following questions.

1. How many students are in P1 and P2 together?

2. How many students are in P3 and P4 together?

3. How many more students are in the P3 grade than in the P5 grade?

4. What is the class with the largest number of students?

5. Which class has the lowest number of students?

107

MAINS

2. The following table shows the length of some of the world's longest rivers. Use the information to answer the questions below.

River	Approximate length in km
Nile	About 6,670 km
Amazon	About 6,400 km
Mississippi	About 3,770 km
Congo	About 2,800 km

Answer the following questions.

1. What is the longest river?

2. What is the shortest river?

3. What is the total length of the Nile and Amazon rivers together?

4. What is the total length of the Mississippi and Congo rivers together?

5. How many more kilometers is the Nile than the Congo?

108

1. How much money did Mrs. and Mr. Smith have to save?
 $5900 - 4210 = 1700$

2. Mr. Smith showed 1044 children. In the past year, years his children have to 6,360 eggs. Last year his children had 2,120 eggs.
 How many eggs did he eat? $1044 - 4210 = 7470$

3. Mr. Smith saw 1000 sheep. One day he took 210 sheep out to grass on a hill.
 Later, his neighbor brought him sheep to the hill to grass. Now there are 600 sheep on the hill.
 How many sheep did the neighbor bring to the hill?

4. The library can hold 2,100 books, but 600 books are out on loan and 117 books are missing.
 How many books are there in the library right now?

5. $137 + 626 = 863$
 $2470 - 862 = 1613$

100

NAME _____

4. Omar just moved to the city. He found an apartment to rent for \$340 LE per month. Electricity and gas will cost him \$92 LE per month. How much money will he need to cover his monthly expenses?

$340 + 92 = 432$

5. Omar had \$500 LE to spend on a month. He spent money on electricity and gas. He has to pay for rent, electricity and gas?

$500 - 432 = 68$

6. Three boxes filled with books were just delivered to the library. If each box is filled with 216 books, how many books were delivered?

$215 + 215 + 215 = 645$

7. A number has 5 thousands, 7 hundreds, 8 tens, and 4 ones. What number is it?

5 784

8. A number has 15 thousands, 15 Tens, and 8 ones. What number is it?

$15000 + 150 + 8 = 15158$

110

[illegible]

5) Choose the correct answer.

- 1) Show it illustrated and correctly.

1) 20100	2) 7040	3) 77 600
----------	---------	-----------
- 2) $5 \times 10 + 400 + 7 \text{ thousands}$...

1) 2 040	2) 73 476	3) 7 431
----------	-----------	----------
- 3) 72 130 shows right side ...

1) 70 000	2) 10 000	3) 10 010
-----------	-----------	-----------
- 4) ... number before 2 345 ...

1) 1 000	2) 400	3) 1 000
----------	--------	----------
- 5) 30 000 shows ... 10 tens ...

1) 3 070	2) 30 070	3) 30 700
----------	-----------	-----------
- 6) 800 thousands ...

1) 80 000	2) 8 000	3) 80 000
-----------	----------	-----------
- 7) 8 000 tens ... hundreds ...

1) 80	2) 8 000	3) 80 000
-------	----------	-----------
- 8) 21 000 ... thousands ...

1) 21	2) 200	3) 200
-------	--------	--------
- 9) The largest 6 - different - digit number is ...

1) 99 784	2) 99 000	3) 99 221
-----------	-----------	-----------
- 10) The smallest 6 - different - digit number is ...

1) 0 000	2) 123 456	3) 0 2345
----------	------------	-----------
- 11) The largest 6 - same - digit number is ...

1) 99 999	2) 99 710	3) 9 999
-----------	-----------	----------
- 12) The least 6 - same - digit number is ...

1) 0 000	2) 99 710	3) 9 710
----------	-----------	----------
- 13) The value of 2's digit in the number 4 2015 ...

1) 4 000	2) 200	3) 20
----------	--------	-------
- 14) The value of 2's digit in the number 872 6314 ...

1) 800 000	2) 800	3) 80
------------	--------	-------
- 15) The place value of the 4's digit in the number 9 345 ...

1) thousands	2) hundreds	3) thousands
--------------	-------------	--------------
- 16) The place value of the 4's digit in the number 823 680 is ...

1) thousands	2) thousands	3) thousands
--------------	--------------	--------------

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Page _____

6 Use the following digits to find: (3, 8, 0, 4, 7)
 The largest number: **75,430**
 The smallest number: **30,487**

7 Use the following digits to find: (8, 5, 4)
 The largest 6-digit number: **888,854**
 The smallest 6-digit number: **444,488**

8 Complete using $<$, $=$ or $>$:
 255 456 **<** 687 107 45 000 + 45 **<** 45 456
 185 268 **<** 185 326 20 hundred **=** 2 000
 80 802 **>** 80 204 8 + 8000 + 2008 **<** 8 828
 46 thousands + 5 hundreds + 3 tens **=** 45 810
 The smallest 5-digit even digit number **=** 12 348
 Ninety thousand and nine **<** 909 009

9 Match.

30 thousands + 24 hundreds	9 240
3 000 + 200 + 40	3 924
30 000 + 24	32 400
Three thousand and twenty four	320 040
320 thousands + 40	30 024

Maths

Section 10

1. Choose the correct answer.

1. The sum of 144 & 4 times a number is 600.
 (A) 100 (B) 120 (C) 124 (D) 144

2. Three times of a number increased three times of a number is
 (A) 3 (B) 30 (C) 300 (D) 3000

3. The value of the digit 5 in a number 250 567 is
 (A) 5000 (B) 500 (C) 50 (D) 5

4. A number that comes right after 100 000 is
 (A) 100 001 (B) 100 000 (C) 100 000 (D) 100 000

5. 25 thousands + 5 tens = 2 thousands + 5 tens =
 (A) 25 700 (B) 25 700 (C) 25 700 (D) 25 700

2. Complete the following.

1. The greatest 4-digit number formed from the digits
 {3, 4, 5, 7} is **7543**

2. 800 970 = 750 + **250 000**

3. The place value of 5 in the number 45678 is **1 thousand**

4. 5 tens + 533 hundreds = 5 tens + 5 hundreds = **502 387**

3. Answer the following.

1. Find a number
 (A) 449 (B) 1014 (C) 1021 (D) 1020

2. Arrange the following numbers in ascending order.
 70 000, 900, 50 000, 250, 6 000
250, 900, 6 000, 50 000, 70 000

3. How many 50 paise coins make Rs 200.
400

4. How many 50 paise coins make Rs 200.
400

5. How many 50 paise coins make Rs 200.
400


114

Math

100

The Arrays

Example






→ $2 \times 5 = 10$

→ $5 \times 2 = 10$

$10 = 5 \times 2$
 This is **5 x 2** array



$10 = 2 \times 5$
 This is **2 x 5** array

1. Complete the following arrays

1) Row: $4 + 4 + 4 = 12$ This is 3 x 4 array
2) Column: $3 + 3 + 3 + 3 = 12$ This is 3 x 4 array




3) Row: $5 + 5 + 5 = 15$ This is 3 x 5 array
4) Column: $3 + 3 + 3 + 3 + 3 = 15$ This is 5 x 3 array

5) Row: $1 + 2 + 2 + 2 = 7$ This is 3 x 4 array
6) Column: $4 + 4 + 4 = 12$ This is 4 x 3 array


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Example






Repeated addition: $3 + 4 + 5 = 12$
My table, row 1: $3 \times 4 = 12$


1 Complete as in the example:



2



3



Repeated addition: $2 + 2 + 2 = 6$
My table, row 1: $2 \times 3 = 6$

Repeated addition: $6 + 6 + 6 = 18$
My table, row 1: $6 \times 3 = 18$

Repeated addition: $4 + 4 + 4 = 12$
My table, row 1: $4 \times 3 = 12$

1 Complete as in the example:

2 $6 + 5 + 5 + 5 + 5 = 30$

3 $3 + 3 + 3 + 3 + 3 = 15$

4 $4 + 4 + 4 + 4 + 4 = 20$

5 $6 + 6 + 6 = 18$

6 $2 + 2 + 2 + 2 = 8$

7 $7 \times 4 =$ $4 \times 4 =$ $4 \times 4 =$ $4 \times 4 =$

8 $7 \times 4 =$ $7 \times 7 =$ $7 \times 7 =$

9 $5 \times 6 =$ $4 \times 11 =$ $4 \times 6 =$ $3 \times 11 =$

10 $2 \times 5 =$ $3 \times 3 =$ $3 \times 3 =$ $3 \times 3 =$

2 $3 \times 5 = 15$ and $5 \times 3 = 15$

3 $4 \times 5 = 20$ and $5 \times 4 = 20$


















4 $6 \times 3 = 18$ and $3 \times 6 = 18$

5 $2 \times 4 = 8$ and $4 \times 2 = 8$

[illegible]

Part 1

2. Complete:

(a)                 

Lesson 3 (Pages 128 -134)

- (1)(a) 4,8,12,16,20,24,28,32,36,40
 (b) 5,10,15,20,25,30,35,40,45,50
 (c) 20 , 40
- (2) ,(3) Answer yourself
- (4) (a) 8 (b) 10 (c) 4 (d) 4
 (e) 5 (f) 4 (g) $5 \times 2 = 10$
 (h) $4 \times 3 = 12$ (i) $1 \times 4 = 4$
 (j) 6 , 24 (k) $10 + 10 + 10$, 6
 (l) $7 + 7 + 7 + 7 = 7 \times 4$

HOMEWORK

- (1) ,(2) ,(3) ,(4) Answer yourself
- (5) (a) $4 \times 5 = 20$ (b) $5 \times 8 = 40$
 (c) $10 + 10 + 10 = 30$ (d) $6 + 6 = 12$
 (e) 10 , 40 (f) 8 , 16
 (g) 10 , 20 (h) 8 , 24
- (6) (a) 4,8,12,16,20,24,28,32,36,40
 44,48,52,56,60,64,68,72,76,80
 (b) 5,10,15,20,25,30,35,40,45,50
 55,60,65,70,75,80,85,90,95,100
 (c) 20 , 40 (d) 12,24,36
- (7) (a) 5×4 (b) 8×3 (c) 6×4 (d) $8 + 8$
 (e) 9×2 (f) 6×2 (g) 8×2 (h) $>$
 (i) $<$ (j) $=$ (k) $>$ (l) 10
 (m) 10 (n) 8

SHEET (3)

- First : (a) 22 225 (b) 4×10 (c) 9×2
 (d) 49 100 (e) $6 + 6 + 6 + 6$
- Second : (a) 57 200 (b) Hundreds
 (c) 3 (d) $10 + 10 + 10 + 10$
 (e) 205 020
- Third : (a) (1) 8 675 (2) 8 405
 (b) 4 , 6 , $4 \times 6 = 24$
 (c) $275 - 149 = 126$

Lesson 4 (Pages : 135 - 143)

- (1) (a) 6,12,18,24,30,36,42,48,54,60
 (b) 7,14,21,28,35,42,49,56,63,70
 (c) 12 , 24 , 36 , 48 , 60
- (2) Answer yourself
- (3) Answer yourself
- (4) (a) 10,12,14,16,18,20
 (b) 20,24,28,32,36,42
 (c) 30,36,42,48,54,60
 (d) 35,42,49,56,63,70
- (5) (a) $7 \times 4 = 28$ (b) $8 \times 6 = 48$
 (c) 8,56 (d) 6 , 36 (e) 5 , 40
 (6) $4 \times 8 = 32$ (7) $5 \times 6 = 30$

HOMEWORK

- (1) ,(2) ,(3) ,(4) Answer yourself
- (5) (a) $4 \times 8 = 32$ (b) $5 \times 7 = 35$
 (c) $8 + 8 + 8 + 8 + 8 = 40$ (d) $8 + 8 = 16$
 (e) 7 , 35 (f) 7 , 35 (g) 8 , 16
 (g) 10 , 40 (h) 9 , 36
- (6) (a) 6,12,18,24,30,36,42,48,54,60
 ,66,72,78,84,90,96,102,108
 ,114,120
 (b) 7,14,21,28,35,42,49,56,63,70
 ,77,84,91,98,105,112,119,126
 ,133,140
 (c) 30 (d) 12,24,36,48,60
- (7) (a) 5×6 (b) 4×4 (c) 3×8
 (d) $8 + 8$ (e) 6×9 (f) 9×2
 (g) 8×2 (h) $>$ (i) $<$
 (j) $<$ (k) $=$ (l) 10
 (m) 6 (n) 9
- (8) Answer yourself
- (9) (a) $6 \times 4 = 24$ (b) $3 \times 6 = 18$
 (c) $3 \times 7 = 21$ (d) $4 \times 8 = 32$

SHEET (4)

First : (a) 561 035 (b) 4X6 (c) 8
(d) 450 000 (e) 8 000

Second : (a) 9X4 (b) 9 999
(c) 500 099 (d) 9+9 (e)

Third: (a) (1) 7 704 (2) 6 850
(b) 153 000 , 150 003
15 300 , 15030 , 15 003
(c) $7 \times 4 = 28$ (d) $3 \times 8 = 24$

Lesson : 5 (Pages 144 - 152)

(1) (a) 8,16,24,32,40,48,56,64,72,80
(b) 9,18,27,36,45,54,63,72,81,90
(c) 18,36,54,72,90

(2),(3), (4) , (5) Answer yourself

HOMEWORK

(1),(2),(3),(4) Answer yourself

(5) (a) 6,12,18,24,30

(b) 20 , 40

(c) 12,24,36,48,60

(d) 18 , 36 , 54 (e) 24 , 48 , 72

(6) Answer yourself

(7) (a) $9 \times 6 = 54$ (b) $2 \times 5 = 10$

(c) $9 \times 9 = 81$ (d) $5 \times 7 = 35$

(e) $6 \times 8 = 48$ (f) $7 \times 7 = 49$

(g) $8 \times 8 = 64$ (h) $6 \times 5 = 30$

SHEET (5)

First : (a) 7X8 (b) = (c) 10 000
(d) 66 000 (e) 62 999

Second : (a) 6 (b) 370 000
(c) hundreds (d) 75 512
(e) 30,24,18,12

Third: (a) 1) 1 000 2) 2500
(b) 45 045 , 45 054 , 45 405
, 45 450 , 45 504
(c) $4 \times 7 = 28$ (d) $6 \times 9 = 54$

Lesson :6 (Pages 153 - 161)

(1) 45 , 72 , 18

(2) (a) $50 - 5 = 45$

(b) $(10 \times 5) - 5 = 50 - 5 = 45$

(c) $(10 \times 8) - 8 = 80 - 8 = 72$

(d) $(10 \times 3) - 3 = 30 - 3 = 27$

HOMEWORK

(1) , (2) , (3) Answer yourself

(4) (a) $(10 \times 2) - 2 = 20 - 2 = 18$

(b) $(10 \times 4) - 4 = 40 - 4 = 36$

(c) $(10 \times 6) - 6 = 60 - 6 = 54$

(d) $(10 \times 8) - 8 = 80 - 8 = 72$

(e) $(10 \times 1) - 1 = 10 - 1 = 9$

(f) $(10 \times 3) - 3 = 30 - 3 = 27$

(g) $(10 \times 5) - 5 = 50 - 5 = 45$

(h) $(10 \times 7) - 7 = 70 - 7 = 63$

(i) $(10 \times 9) - 9 = 90 - 9 = 81$

(5) (a) 3×10 (b) 6×4 (c) 6×6

(d) 6×6 (e) 6×4 (f) 7

(g) $9 + 9$ (h) 8×2

(6) (a) $8 + 8 + 8 = 24$

(b) $6 + 6 + 6 + 6 + 6 + 6 = 36$

(c) $10 + 10 = 20$

(d) 9 , 18 (e) 6 , 12 (f) 8 , 16

(g) 6 , 24 (h) 8 , 32 (i) 6 , 30

(j) 8 , 72 (k) $(10 \times 6) , 54$

SHEET (6)

First: (a) 7 (b) 4×10 (c) 495
(d) 765 040 (e) 20 000

Second : (a) 19 999 (b) 0 (c) 9
(d) 8×6 (e) 900 009

Third : (a) 1) 4 700 2) 71 3) 630
(b) 1) < 2) =
3) > 4) =
(c) $6 \times 8 = 48$

Lesson : 7 (Pages 162 - 167)

- (1) (a) 5 (b) 7 (c) 7 (d) 4
 (e) 9 (f) 8, 3 (g) $15 \times 35 = 50$
 (h) $32 \times 16 = 48$ (i) $12 \times 6 = 18$
 (j) 8, 8, 56 (k) 4, 7, 63 (l) 5×4
- (2) (a) $7 \times (10 + 3) = 7 \times 10 + 7 \times 3 = 91$
 (b) $8 \times (10 + 5) = 8 \times 10 + 8 \times 5 = 120$
 (c) $9 \times (10 + 3) = 9 \times 10 + 9 \times 3 = 117$
 (d) $7 \times (10 + 2) = 7 \times 10 + 7 \times 2 = 84$

HOMEWORK

- (1) (a) 7 (b) 8 (c) 7 (d) 4
 (e) 9 (f) 8, 7 (g) $8 \times 6 = 48$
 (h) $7 \times 9 = 63$ (i) $9 \times 6 = 54$ (j) 8, 8, 54
 (k) 4, 3, 27 (l) 2×5
- (2) (a) $7 \times (10 + 3) = 7 \times 10 + 7 \times 3 = 91$
 (b) $4 \times (10 + 2) = 4 \times 10 + 4 \times 2 = 48$
 (c) $9 \times (10 + 3) = 9 \times 10 + 9 \times 3 = 108$
 (d) $8 \times (10 + 5) = 8 \times 10 + 8 \times 5 = 120$
- (3) (a) 2 (b) 5 (c) $5 \times 2 = 10$ (d) 5
 (e) 2 (f) $2 \times 5 = 10$ (g) $2 \times 5 = 5 \times 2$
- (4) (a) 6 (b) 3 (c) $3 \times 6 = 18$ (d) 3
 (e) 6 (f) $6 \times 3 = 18$ (g) $3 \times 6 = 6 \times 3$
- (5) (a) 9 (b) 4 (c) $4 \times 9 = 36$ (d) 4
 (e) 9 (f) $9 \times 4 = 36$ (g) $4 \times 6 = 9 \times 4$
- (6) (a) $4 \times 10 = (4 \times 8) + (4 \times 2) = 40$
 (b) $3 \times 9 = (3 \times 5) + (3 \times 4) = 27$

SHEET 7

- First: (a) 19 909 (b) 505 (c) 7×5
 (d) $4 + 4 + 4 + 4$ (e) 8 000
- Second : (a) $\square \triangle, \square \triangle$ (b) 6, 6, 4 (c) 6
 (d) 66 000 (e) 701 280
- Third: (a) 75 005, 75 050, 75 055
 , 75 500, 75 505
 (b) 6, 3, $6 \times 3 = 18$
 (c) 3, 6, $3 \times 6 = 18$

Lesson : 8 (pages 168 - 173)

- (1) (a) 10, 20, 30, 40, 50, 60, 70, 80
 , 90, 100, 110, 120.
 (b) 10, 20, 30, 40, 50, 60, 70, 80
 , 90, 100, 110, 120.
 (c) 20, 40, 60, 80, 100, 120
- (2) (a) 70 (b) 90 (c) 120 (d) 520
 (e) 10 (f) 10 (g) 10 (h) 10
 (i) $5 \times 6 \times 10 = 30 \times 10 = 300$
 (j) $4 \times 8 \times 10 = 32 \times 10 = 320$
 (k) $5 \times 80, 40 \times 10 = 400$
 (l) $9 \times 30, 27 \times 10 = 270$
 (m) $7 \times 50 = 7 \times 5 \times 10 = 35 \times 10 = 350$
 (n) $4 \times 90 = 4 \times 9 \times 10 = 36 \times 10 = 360$

HOMEWORK

- (1) Answer yourself
- (2) (a) 10, 20, 30, 40, 50, 60, 70, 80
 , 90, 100, 110, 120
 (b) 10, 20, 30, 40, 50, 60, 70, 80
 , 90, 100, 110, 120
 (c) 30, 60, 90
 (d) 20, 40, 60, 80, 100
 (e) 30, 60, 90
- (3) (a) 60 (b) 80 (c) 520 (d) 220
 (e) 160 (f) 820 (g) 10 (h) 10
 (i) 10 (j) 10 (k) 10 (l) 10
 (m) 10 (n) 10
- (4) (a) $8 \times 5 \times 10 = 40 \times 10 = 400$
 (b) $5 \times 4 \times 10 = 20 \times 10 = 200$
 (c) $9 \times 8 \times 10 = 72 \times 10 = 720$
 (d) $5 \times 90, 45 \times 10 = 450$
 (e) $8 \times 80, 64 \times 10 = 640$
 (f) $6 \times 30, 18 \times 10 = 180$
 (g) $5 \times 70, 7, 10, 350$
 (h) $6 \times 90, 9, 10, 540$
 (i) $7 \times 70, 7, 10, 490$

- (5) (a) 30 (b) 28
(c) 4 (d) 7
(e) 7 (f) 6
(g) 8 (h) 6
(i) 8 (j) 10
(k) 9×2
(l) 3×10

(6) Answer Yourself

SHEET 8

First : (a) 9000
(b) 25 000

- (c) 8×2 (d) 9×4
(e) 20 567

Second: (a) 760 000

- (b) 10, 4, 98
(c) $6 \times 7 \times 10 = 420$
(d) 20 020
(e) 48, 40, 32

Third : (a) 1) 8 008 2) 7 555

- (b) 15 000, 10 005, 1500
, 1 050, 1 005
(c) $6 \times 6 = 36$

MAINS **Division**

Example:
There are 12 apples that need to be shared equally among 3 friends.
Draw a part-whole model to show your answer.
 $12 \div 3 = 4$

1 There were 18 fish that need to be shared equally in 4 bowls. How many fish should be put into each bowl?
Draw a part-whole model to show your answer.
 $18 \div 4 = 4$

2 The teacher has 36 crayons to share equally between 6 students. What is the share of each?
Draw a part-whole model to show your answer.
 $36 \div 6 = 6$

174

MAINS **Part**

1 There are 12 fish that need to be shared equally in 3 bowls. How many fish should be put into each bowl?
Draw a part-whole model to show your answer.
 $12 \div 3 = 4$

Multiplication & Division Fact Families

$3 \times 6 = 18$
 $6 \times 3 = 18$
 $18 \div 3 = 6$
 $18 \div 6 = 3$

2 Find the missing factor in the triangle, then write the fact equations to complete the fact family.

3 Find the missing factor in the triangle, then write the fact equations to complete the fact family.

175

MAINS **Part**

1 There are 14 fish that need to be shared equally in 2 bowls. How many fish should be put into each bowl?
Draw a part-whole model to show your answer.
 $14 \div 2 = 7$

2 Complete the following:

$18 \div 4 = 4$ $9 \div 18 = 7$
 $18 \div 3 = 5$ $7 \div 21 = 2$
 $12 \div 3 = 4$ $8 \div 12 = 9$
 $24 \div 4 = 6$ $5 \div 35 = 8$
 $48 \div 8 = 6$ $2 \div 12 = 6$
 $56 \div 8 = 7$ $8 \div 40 = 8$
 $72 \div 8 = 9$ $5 \div 40 = 8$

176

MAINS **Part**

Answer the following:

1 There are 20 fish that need to be shared equally in 4 bowls. How many fish should be put into each bowl?
Draw a part-whole model to show your answer.
 $20 \div 4 = 5$

2 The teacher has 48 crayons to share equally between 6 students. What is the share of each?
Draw a part-whole model to show your answer.
 $48 \div 6 = 8$

3 There are 30 crayons that need to be shared equally between 5 students.
Draw a part-whole model to show your answer.
 $30 \div 5 = 6$

177

MAINS **Part**

1 There are 12 fish that need to be shared equally in 3 bowls. How many fish should be put into each bowl?
Draw a part-whole model to show your answer.
 $12 \div 3 = 4$

2 There are 20 fish that need to be shared equally in 4 bowls. How many fish should be put into each bowl?
Draw a part-whole model to show your answer.
 $20 \div 4 = 5$

3 There are 30 fish that need to be shared equally in 6 bowls. How many fish should be put into each bowl?
Draw a part-whole model to show your answer.
 $30 \div 6 = 5$

178

MAINS **Part**

1 There are 24 fish that need to be shared equally in 4 bowls. How many fish should be put into each bowl?
Draw a part-whole model to show your answer.
 $24 \div 4 = 6$

2 There are 25 fish that need to be shared equally in 5 bowls. How many fish should be put into each bowl?
Draw a part-whole model to show your answer.
 $25 \div 5 = 5$

3 There are 30 fish that need to be shared equally in 6 bowls. How many fish should be put into each bowl?
Draw a part-whole model to show your answer.
 $30 \div 6 = 5$

179

MAINS **Part**

1 Find the missing factor in the triangle, then write the fact equations to complete the fact family.

2 Find the missing factor in the triangle, then write the fact equations to complete the fact family.

3 Find the missing factor in the triangle, then write the fact equations to complete the fact family.

4 Find the missing factor in the triangle, then write the fact equations to complete the fact family.

180

2. Complete the following :

$25 \div 5 = 5$	$2 \overline{) 8}$	$\frac{40}{5} = 8$
$15 \div 5 = 3$	$3 \overline{) 6}$	$\frac{42}{6} = 7$
$30 \div 5 = 6$	$5 \overline{) 10}$	$\frac{45}{5} = 9$
$36 \div 6 = 6$	$4 \overline{) 12}$	$\frac{48}{6} = 8$
$45 \div 5 = 9$	$4 \overline{) 16}$	$\frac{56}{7} = 8$
$72 \div 8 = 9$	$8 \overline{) 24}$	$\frac{64}{8} = 8$
$18 \div 9 = 2$	$3 \overline{) 24}$	$\frac{52}{7} = 9$
$16 \div 4 = 4$	$4 \overline{) 28}$	$\frac{66}{6} = 8$
$20 \div 5 = 4$	$3 \overline{) 27}$	$\frac{72}{8} = 9$
$21 \div 7 = 3$	$8 \overline{) 30}$	$\frac{81}{9} = 9$

MAIN		
14) Complete the following :		
$4 + 2 = 2$	$2 \overline{) 8}$	$\frac{24}{8} = 4$
$9 + 3 = 3$	$3 \overline{) 12}$	$\frac{25}{5} = 5$
$8 + 4 = 2$	$4 \overline{) 20}$	$\frac{32}{4} = 8$
$12 + 6 = 2$	$6 \overline{) 15}$	$\frac{21}{3} = 7$
$16 + 8 = 2$	$8 \overline{) 16}$	$\frac{18}{2} = 9$
$32 + 4 = 8$	$4 \overline{) 36}$	$\frac{72}{8} = 9$
$35 + 7 = 8$	$7 \overline{) 45}$	$\frac{81}{9} = 9$
$40 + 8 = 5$	$8 \overline{) 48}$	$\frac{64}{8} = 8$
$35 + 6 = 6$	$6 \overline{) 54}$	$\frac{14}{2} = 7$
$42 + 6 = 7$	$6 \overline{) 58}$	$\frac{48}{7} = 7$

50000

Peny

10-2 Choose the correct answer(s).

7) The number 34 is one tenth before 340 000 is

$34 \div 10 = 3.4$ 34 340 340 000 340 000 0

8) $2x + 3 = 10$ $x = 3.5$ $x = 3.4$ $x = 3.5$

9) $8 \times 10 = 80$ $8 \times 10 = 80$ $8 \times 10 = 80$ $8 \times 10 = 80$

10) $8 \times 10 = 80$ $8 \times 10 = 80$ $8 \times 10 = 80$ $8 \times 10 = 80$

11) 34 is one tenth before 340 000 is

$34 \div 10 = 3.4$ 34 340 340 000 340 000 0

10-3 Copy help the following:

12) 34 is one tenth before 340 000 is

$34 \div 10 = 3.4$

13) $8 \times 10 = 80$ $8 \times 10 = 80$ $8 \times 10 = 80$ $8 \times 10 = 80$

14) The number 34 is one tenth before 340 000 is

$34 \div 10 = 3.4$ 34 340 340 000 340 000 0

15) $8 \times 10 = 80$ $8 \times 10 = 80$ $8 \times 10 = 80$ $8 \times 10 = 80$

10-4 Answer the following:

16) Find the result:

17) $340 \div 10 = 34$ $340 \div 10 = 34$ $340 \div 10 = 34$ $340 \div 10 = 34$

18) $340 \div 10 = 34$ $340 \div 10 = 34$ $340 \div 10 = 34$ $340 \div 10 = 34$

19) Complete using \div or \times :

a) $340 \div 10 = 34$ $340 \div 10 = 34$ $340 \div 10 = 34$ $340 \div 10 = 34$

b) $340 \div 10 = 34$ $340 \div 10 = 34$ $340 \div 10 = 34$ $340 \div 10 = 34$

20) $340 \div 10 = 34$ $340 \div 10 = 34$ $340 \div 10 = 34$ $340 \div 10 = 34$

21) The price of each book is 3 pounds.

How many books can you buy if you have 60 pounds?

$60 \div 3 = 20$ $60 \div 3 = 20$ $60 \div 3 = 20$ $60 \div 3 = 20$

183

Exercise 1

Time

a half $\frac{1}{2}$

a third $\frac{1}{3}$

a quarter $\frac{1}{4}$

DAY 24

























→

HOUR 60

→











MINUTE

$1 \text{ day} = 24 \text{ hours}$ $\frac{1}{2} \text{ day} = 12 \text{ hours}$ $\frac{1}{3} \text{ day} = 8 \text{ hours}$ $\frac{1}{4} \text{ day} = 6 \text{ hours}$	$1 \text{ hour} = 60 \text{ minutes}$ $\frac{1}{2} \text{ hour} = 30 \text{ minutes}$ $\frac{1}{3} \text{ hour} = 20 \text{ minutes}$ $\frac{1}{4} \text{ hour} = 15 \text{ minutes}$
--	--











Complete :		Part 2	
 3 O'clock	 3 O'clock	 Quarter to 5	 Quarter to 5
 Quarter past 5	 Quarter past 5	 10 O'clock	 10 O'clock
 Quarter past 6	 Quarter past 6	 Quarter to 12	 Quarter to 12
 Half past 11	 Half past 11	 7 O'clock	 7 O'clock
 4 O'clock	 4 O'clock	 Half Past 1	 Half Past 1
 Quarter to 12	 Quarter to 12	 Quarter past 5	 Quarter past 5

1. Complete the following :











- (i) 2 hours = **60** , **60** = **120** minutes
- (ii) An hour and a half = **60** + **30** = **90** minutes
- (iii) An hour and a third = **60** + **20** = **80** minutes
- (iv) An hour and a quarter = **60** + **15** = **75** minutes
- (v) An hour and 25 minutes = **60** + **25** = **85** minutes
- (vi) An hour and 10 minutes = **60** + **10** = **70** minutes
- (vii) 2 hours and a half = **120** + **30** = **150** minutes
- (viii) 2 hours and a third = **120** + **20** = **140** minutes
- (ix) 2 hours and a quarter = **120** + **15** = **135** minutes
- (x) 2 hours and 10 minutes = **120** + **10** = **140** minutes
- (xi) 2 hours and 55 minutes = **120** + **55** = **175** minutes
- (xii) 75 minutes = **1** hour + **15** minutes
- (xiii) 80 minutes = **1** hour + **20** minutes
- (xiv) 85 minutes = **1** hour + **25** minutes
- (xv) 100 minutes = **1** hour + **40** minutes
- (xvi) 105 minutes = **1** hour + **45** minutes
- (xvii) 130 minutes = **2** hours + **10** minutes

Comprehension		Porty	
 <p>4 : 00 4 O'clock</p>	 <p>1 : 30 Half past 1</p>		
 <p>11 : 45 Quarter to 12</p>	 <p>5 : 15 Quarter past 5</p>		
 <p>1 : 00 1 O'clock</p>	 <p>9 : 30 Half past 9</p>		
 <p>7 : 45 Quarter to 8</p>	 <p>8 : 15 Quarter past 8</p>		
 <p>2 : 45 Quarter to 3</p>	 <p>8 : 45 Quarter to 9</p>		

151 Complete :

 <p>7:00 7 O'clock</p>	 <p>8:00 Half past 6</p>
 <p>6:15 Quarter past 6</p>	 <p>11:45 Quarter to 12</p>
 <p>11:30 Half past 11</p>	 <p>9:30 Half past 9</p>
 <p>9:45 Quarter to 10</p>	 <p>12:00 12 O'clock</p>
 <p>2:45 Quarter to 3</p>	 <p>8:15 Quarter past 8</p>

Complete :

 <p>3 O'clock</p>	 <p>Quarter to 2</p>
 <p>Quarter past 5</p>	 <p>10 O'clock</p>
 <p>Half past 4</p>	 <p>Quarter to 10</p>
 <p>Quarter to 9</p>	 <p>Half past 7</p>
 <p>12 O'clock</p>	 <p>Quarter past 4</p>

GRADE 3

KNOW IT

1. Choose the correct answer.

1. $2 \times 2 + 2 \times 2 + 2 + 2 + 2 = ?$ $2 \times 2 + 2 = 4$ or **A. 25**
 2. $750 \div 10 = ?$ $750 \div 10 = 75$ or **B. 750**
 3. $90 \times 9 = ?$ $9 \times 9 = 81$ or **C. 81**

2. The value of 9 in 912 is the number 100.
 A. The tens of 9 is 100. **B. 900** or **C. 9,000**

3. The length of 8 cm is equal to
 A. 10 cm or **B. 80 mm** or **C. 800 mm**

4. Complete the following.

1. The number that comes before 500 is **499** or **C. 10**
 2. $8 \times 5 = 40$ or **A. 35**
 3. An hour is 60 minutes or **B. 60** minutes
 4. $42 \div 6 = 7$ or **C. 42**

5. 900 is 10 times as much as **90** or **A. 900**


6. Arrange the following.

1. Put the following numbers in an ascending order.
 $8156, 6314, 1024, 4830$
1024, 4830, 6314, 8156

2. Sort the numbers 6670, 4500, 2000, 8000
2000 < 4500 < 6670 < 8000

7. Draw the time on the clock.

1. Draw the time 1:50
 2. Draw the time 1:45












202

1 Two line pictures below. Does each show a like approximation of length for measuring these things?

millimeter (mm), centimeter (cm), meter (m), kilometer (km)

Then write 1 under the picture.

<p>a</p>  <p>meter</p>	<p>b</p>  <p>millimeter</p>	<p>c</p>  <p>centimeter</p>
<p>d</p>  <p>centimeter</p>	<p>e</p>  <p>meter</p>	<p>f</p>  <p>meter</p>
<p>g</p>  <p>millimeter</p>	<p>h</p>  <p>centimeter</p>	<p>i</p>  <p>centimeter</p>

Measure the real side length using the ruler :

Example

3 cm

5 cm

Example

5 cm

7 cm

6 cm

5 cm

4 cm

6 cm

















4 cm

205

WORKSHEET

1. See the picture below. Determine what is the appropriate word to lengthen these things.

2. Write the word in the box.

			
exte <u>ar</u> e	cr <u>ee</u> ne	car <u>ee</u>	or <u>ee</u> ange
			
box <u>ee</u>	hor <u>ee</u>	hou <u>ee</u>	rug <u>ee</u>
			
cow <u>ee</u>	dog <u>ee</u>	pencil <u>ee</u>	bas <u>ee</u> t
			
ap <u>ee</u>	ele <u>ee</u> phant	can <u>ee</u>	cat <u>ee</u>

200

2. Calcula:

- (1) 4 cm + 40 mm = 44 mm
- (2) 5 dm = 50 mm
- (3) 10 cm = 100 mm
- (4) 80 mm = 8 cm
- (5) 80 mm = 8 cm
- (6) 880 mm = 88 cm
- (7) 720 mm = 72 cm
- (8) 8 cm + 5 mm = 13 mm
- (9) 8 cm + 7 mm = 15 cm
- (10) 8 cm + 8 mm = 16 cm
- (11) 8 m + 8 mm = 808 mm
- (12) 8 m + 8 mm = 808 mm
- (13) 8 m + 8 mm = 808 mm
- (14) 8 m + 8 mm = 808 mm
- (15) 8 m + 8 mm = 808 mm
- (16) 8 m + 8 mm = 808 mm
- (17) 8 m + 8 mm = 808 mm
- (18) 8 m + 8 mm = 808 mm
- (19) 8 m + 8 mm = 808 mm
- (20) 8 m + 8 mm = 808 mm
- (21) 8 m + 8 mm = 808 mm
- (22) 8 m + 8 mm = 808 mm
- (23) 8 m + 8 mm = 808 mm
- (24) 8 m + 8 mm = 808 mm
- (25) 8 m + 8 mm = 808 mm
- (26) 8 m + 8 mm = 808 mm
- (27) 8 m + 8 mm = 808 mm
- (28) 8 m + 8 mm = 808 mm
- (29) 8 m + 8 mm = 808 mm
- (30) 8 m + 8 mm = 808 mm

MAINE

5) Estimate the side lengths using the ruler :

The shapes and their labeled side lengths are:

- Rectangle: 5 cm
- Rectangle: 4 cm
- Hexagon: 3 cm
- Triangle: 4 cm
- Trapezoid: 6 cm
- Triangle: 6 cm
- Triangle: 6 cm
- Triangle: 4 cm
- Rectangle: 4 cm
- Triangle: 4 cm
- Parallelogram: 5 cm

[illegible]

Partly

1) Color only polygons.

2) Color the quadrilateral shapes (4 sides).

3) Draw a shape with 6 sides.

4) Draw a shape with 3 sides.

5) Complete I.

6) This triangle has 3 sides, 3 angles and 3 vertices.

7) The pentagon has 5 sides and 5 angles.

8) The rectangle has 4 angles and the hexagones 6 sides.

9) The quadrilateral is a polygon that has 4 sides.

211

NAME: _____

1. Color only polygons:

2. Color The nontrilateral shapes (3 sides):

3. Color the triangles (3 sides):

Praty

1. Color the polygon (6 sides)

2. Color the polygon (4 sides)

3. Draw a shape with 3 sides **4. Draw a shape with 4 sides**

5. Draw a shape with 5 sides **6. Draw a shape with 6 sides**

213

MATHS

1. Complete:

The triangle has 3 sides, 3 angles and 3 vertices.

The octagon has 8 sides, 8 angles and 8 vertices.

The pentagon has 5 sides, 5 angles and 5 vertices.

The hexagon has 6 sides, 6 angles and 6 vertices.

The heptagon has 7 sides and 7 angles.

The nonagon has 9 sides and 9 angles.

The decagon has 10 sides and 10 angles.

2. Write down the name of each polygon

Triangle Quadrilateral Pentagon

Hexagon Heptagon Octagon

214

Praty

1. Choose the correct answer.

(1) The number of sides of a hexagon is 6. (2) The number of angles of a hexagon is 6. (3) The number of vertices of a hexagon is 6. (4) The number of diagonals of a hexagon is 9.

2. Complete the following.

The polygon that has 5 sides is called a pentagon.

100 minutes = 2 hours = 80 minutes.

2000 m = 2 km = 2000 m.

The number of sides of a regular hexagon is 6. (1) 6, (2) 12, (3) 18, (4) 24.

3. Answer the following.

(1) 100 - 25 = 75 (2) 100 - 25 = 75 (3) 100 - 25 = 75 (4) 100 - 25 = 75

4. At the time 10:45, the clock shows:

215

Praty

1. Match each quadrilateral with its name.

217

MATHS

1. Match each quadrilateral with a compatible property.

(1) Each two opposite sides are equal.

(2) Each two opposite angles are equal.

(3) All sides are equal in length.

2. Complete.

All sides are equal in rectangle and square.

All angles are equal in rectangle and square.

Trapezoid has only one pair of opposite sides are parallel.

Kite has two pairs of adjacent sides are equal and one pair of opposite angles are equal.

218

Praty

1. Write the name of each quadrilateral.

2. Match each quadrilateral to its name.

219

MATHS

1. Match each quadrilateral with a compatible property.

(1) Each two opposite sides are equal and parallel.

(2) Each two opposite angles are equal.

(3) All sides are equal in length.

(4) All angles are equal in length.

(5) In the parallelogram each two opposite sides are equal and parallel.

(6) In the rectangle all angles are equal and all sides are equal.

(7) In the square all sides are equal and all angles are equal.

(8) In the trapezoid, only one pair of opposite sides are parallel.

(9) In the kite two pairs of adjacent sides are equal.

2. Color the parallelograms.

220

Praty

1. Complete:

The quadrilateral is a polygon that has 4 sides.

Each two opposite sides are equal and parallel in rectangle, parallelogram, rhombus, and square.

All sides are equal in square and rhombus.

All angles are equal in rectangle and square.

Only one pair of opposite sides are parallel in trapezoid.

In the parallelogram each two opposite sides are equal and parallel.

In the rectangle all angles are equal and all sides are equal.

In the square all sides are equal and all angles are equal.

In the trapezoid, only one pair of opposite sides are parallel.

In the kite two pairs of adjacent sides are equal.

2. Color the parallelograms.

221

Praty

1. Choose the correct answer.

(1) Each two opposite sides are parallel in rectangle, parallelogram, rhombus, and square.

(2) The quadrilateral has 4 sides. (1) 4, (2) 5, (3) 6, (4) 7.

(3) The number of angles of a quadrilateral is 4. (1) 4, (2) 5, (3) 6, (4) 7.

(4) The number of vertices of a quadrilateral is 4. (1) 4, (2) 5, (3) 6, (4) 7.

2. Complete the following.

All diagonals of a rectangle are equal.

The rhombus has 4 sides.

All angles are right angles in square and rectangle.

A trapezoid has 4 sides.

A kite has 2 pairs of adjacent sides are equal.

3. Answer the following.

(1) 100 - 25 = 75 (2) 100 - 25 = 75 (3) 100 - 25 = 75 (4) 100 - 25 = 75

4. At the time 10:45, the clock shows:

222

Lesson : 8 (pages 224 - 234)

- (1) (a) 10 (b) 10 (c) 18
(d) 35 , $7 \times 5 = 35$ (e) 12 , $2 \times 6 = 12$
(2) (a) $4 \times 5 = 20$ (b) $6 \times 3 = 18$ (c) $8 \times 4 = 32$
(3) $12 = 3 \times 4$ or 2×6
 $10 = 2 \times 5$ or 1×10
(4) (a) $18 = (3 \times 6)$ or (2×9)
(b) $24 = (3 \times 8)$, (4×6) or (2×12)

HOMEWORK

- (1) (a) 15 (b) 13 (c) 16
(d) 14 (e) 16 (f) 18
(g) 28 , $4 \times 7 = 28$ (h) 18 , $3 \times 6 = 18$
(i) 25 , $5 \times 5 = 25$ (j) 12 , $2 \times 6 = 12$
(k) 32 , $4 \times 8 = 32$ (l) 9 , $3 \times 3 = 9$
(m) 16 , $4 \times 4 = 16$
(2) (a) $3 \times 4 = 12$ (b) $6 \times 2 = 12$
(c) $4 \times 8 = 32$ (d) $5 \times 3 = 15$
(e) $5 \times 5 = 25$ (f) $8 \times 2 = 16$
(g) $10 \times 5 = 15$ (h) $7 \times 5 = 35$
(i) $8 \times 7 = 56$ (j) $5 \times 7 = 35$
(k) $9 \times 4 = 36$ (l) $9 \times 6 = 54$
(m) $9 \times 3 = 27$ (n) $2 \times 2 = 4$
(3) $15 = 3 \times 5$, $18 = 3 \times 6$ or $18 = 2 \times 9$
(4) $4 \times 6 = 24$ (5) $3 \times 7 = 21$
(6) $(3 \times 4) + (2 \times 6) + (3 \times 6) + (5 \times 7) + (5 \times 1)$
 $= 12 + 12 + 18 + 35 + 5 = 82$
(7) (a) $30 = 5 \times 6$ (b) $24 = 4 \times 6$ (c) $20 = 4 \times 5$
(d) $12 = 3 \times 4$ (e) $18 = 3 \times 6$

SHEET 6

First : (a) 9 090 (b) 4 (c) 90
(d) $10 + 10$ (e) 999 999

Second : (a) 45 550 (b) 5 (c) 20 , 7
(d) equal (e) 63 , 72 , 81

Third (a) (1) > (2) > (3) > (4) =
(b) 16 , 20 , 24

Lesson : 9 (pages 235 - 244)

- (1) (a) 18 , 20 (b) 28 , 30
(c) 15 , 18 (d) 11 , 24
(e) $4 \times 7 = 28$, $4 + 7 + 4 + 7 = 22$
(f) $5 \times 5 = 25$, $5 + 5 + 5 + 5 = 20$
(2) (a) $3 + 3 + 3 + 6 = 15$ (b) $6 + 3 + 6 + 3 = 18$
(3) (a) $3 \times 6 = 18$, $(6 + 3) \times 2 = 18$
(b) $4 \times 4 = 16$, $4 \times 4 = 16$

HOMEWORK

- (1) (a) 13, 18 (b) 17, 26 (c) 11, 16
(d) 11, 24 (e) 14 , 16 (f) 19 , 28
(g) 12, 22 (h) 14, 22
(i) $4 \times 6 = 24$, $6 + 4 + 6 + 4 = 20$
(j) $5 \times 5 = 25$, $5 + 5 + 5 + 5 = 20$
(k) $2 \times 7 = 14$, $2 + 7 + 2 + 7 = 28$
(l) $4 \times 4 = 16$, $4 + 4 + 4 + 4 = 16$
(m) $8 \times 5 = 40$, $8 + 5 + 8 + 5 = 26$
(n) $3 \times 8 = 24$, $3 + 8 + 3 + 8 = 22$
(2) (a) $6 + 3 + 6 + 3 = 18$ (b) $6 + 3 + 3 + 3 = 15$
(c) $4 + 4 + 4 + 4 = 16$ (d) $3 + 6 + 2 + 5 = 16$
(e) $5 + 3 + 5 + 3 = 16$ (f) $3 + 3 + 3 + 3 = 12$
(g) $6 + 2 + 6 + 2 = 16$ (h) $3 + 3 + 5 + 7 = 18$
(i) $5 + 5 + 3 + 3 = 16$ (j) $2 + 2 + 5 + 5 = 14$
(k) $5 + 5 + 5 + 5 = 20$ (l) $5 + 8 + 5 + 2 = 20$
(3) (a) $3 \times 6 = 18$, $(6 + 3) \times 2 = 18$
(b) $5 \times 2 = 10$, $(5 + 2) \times 2 = 14$
(c) $6 \times 2 = 30$, $(6 + 5) \times 2 = 22$
(d) $3 \times 3 = 9$, $3 \times 4 = 14$
(e) $4 \times 4 = 16$, $4 \times 4 = 16$
(4) (a) $7 \times 4 = 28$, $(7 + 4) \times 2 = 22$
(b) $7 \times 3 = 21$, $(7 + 3) \times 2 = 20$
(c) $7 \times 7 = 49$, $7 \times 4 = 28$
(d) $6 \times 5 = 30$, $(6 + 5) \times 2 = 22$
(e) $4 \times 4 = 16$, $4 \times 4 = 16$

Math 7

1. Choose the correct answer.

1. The value of the digit 7 in 205.76 is

100.00 7000 **700** 70

2. The perimeter of a square is 40 cm. Its side is

10 cm 20 cm **10 m** 20 m

3. The number that comes right before 300 000 is

300 000 100 000 **299 999** 299 000

4. 2 m + 13 cm = cm

213 23 **2013** 201

2. Complete the following.

5. 70 thousands + 5 tens + 7 tens + 3 hundreds = 74 215

6. 50 minutes + 1 hour = 1 hour 50 minutes

7. $12 \times 3 = 36$ $36 \div 3 = 12$


8. The 1 and 2 in all digits are equal

9. 2 is 20


3. Answer the following.


10. Find the perimeter and the area of the shape figure.

The area = 7 x 8 = 21 square unit
 The perimeter = 3 + 7 + 3 + 7 + 3 + 7 = 30





11. Write the time shown in the clock.


25 past 2



15 past 11


12. Write the name of each shape.


 Trapezoid


 kite


 rectangle


 Parallelogram

Page 11

The Capacity

The amount of liquid that the container can contain

Example 1

2L 1L 500 ml

Example 2

250 ml 125 ml 125 ml

1 Liter = 1000 milliliters

Circle the largest capacity container

a)

b)

Circle the smallest capacity container

a)

b)

Page 12

MAINS

31. What is better for measuring the volume of liquid in "microscopy"? **Before or After?**





Measuring (Litre) **Measuring** (Litre) **Measuring** (Litre)





Measuring (Litre) **Measuring** (Litre) **Measuring** (Litre)





Measuring (Litre) **Measuring** (Litre) **Measuring** (Litre)

32. Complete the following:

1 litre = 1000 millilitres 2 litres = 2000 millilitres
 1 litre = 1000 ml 2 litres = 2000 ml
 To measure the capacity of the tin can use **millilitres**
 The litre is used to measure **Capacity**

Page _____

7 Circle the largest capacity container.

a)  

b)  

c)  

d)  

8 Circle the smaller capacity container.

a)  

b)  

c)  

d)  

MAIN

What is better for measuring the volume of liquid in (capacity)? (Weight or Size)

 Measure <u>Weight</u> <u>Size</u>	 Put in a bottle <u>Weight</u> <u>Size</u>	 Spoonful of milk in <u>Weight</u> <u>Size</u>
 Add 2 glasses <u>Weight</u> <u>Size</u>	 Oil in a bottle <u>Weight</u> <u>Size</u>	 Water in a bottle <u>Weight</u> <u>Size</u>
 Tea in a cup <u>Weight</u> <u>Size</u>	 Soup in a bowl <u>Weight</u> <u>Size</u>	 Soup in a bowl <u>Weight</u> <u>Size</u>
 Water in a glass <u>Weight</u> <u>Size</u>	 Water in a bottle <u>Weight</u> <u>Size</u>	 Coffee in a cup <u>Weight</u> <u>Size</u>
 Oil in a glass <u>Weight</u> <u>Size</u>	 Oil in a bottle <u>Weight</u> <u>Size</u>	 Coffee in a cup <u>Weight</u> <u>Size</u>

Page No. _____

Unit 8

1. Choose the correct answer.

1. I like to go to the _____ on Saturdays. a. park
 a. library b. school c. **park** d. shop

2. $7 + 7 = ?$ a. 14
 a. 7 b. 10 c. **14** d. 74

3. 10 x 3 = _____ a. 30
 a. 3 b. 45 c. **30** d. 64

4. The capital of our state is _____ a. Chennai
 a. Chennai b. Bangalore c. **Chennai** d. New Delhi

5. _____ is a part of measuring capacity. a. litre
 a. litre b. meter c. **litre** d. hour

2. Complete the following.

1. 1000 millilitres = _____ litres

2. The distance of water in this glass is measured by _____ litre.

3. The number that comes right after 999 is _____ 1000

4. 50 cm + 7 cm = _____ 207 cm

5. The total cost of 10 kg of sugar is _____ 1000

3. Answer the following.


1. $100 - 10 =$ _____ 117
 a. 90 b. **117** c. 9 d. 10


2. $100 + 100 =$ _____ 1000
 a. 200 b. **1000** c. 7 d. 10


3. How much more 1 L is, than 500 ml? _____ 500 ml


4. $10 + 10 =$ _____ 2


5. Write the next two days of the week.



 Car



 Bicycle



 Bus


 Train


 Motorcycle


 Scooter


 Van


 Truck

General Exercises

First Choose the correct answer

- | | | |
|-------------------|-------------------|-------------------|
| (1) '00 070 | (2) 7 425 | (3) 70 009 |
| (4) 1 999 | (5) 20 750 | (6) 6 000 |
| (7) 800 | (8) 3 000 | (9) 98 765 |
| (10) 10 2345 | (11) 99 999 | (12) 1 111 |
| (13) 3 000 | (14) 800 000 | (15) Thousands |
| (16) 10 | (17) 8×3 | (18) 6×4 |
| (19) $8 + 8$ | (20) 9×2 | (21) 6×2 |
| (22) 8×2 | (23) $>$ | (24) $<$ |
| (25) $=$ | (26) $<$ | (27) 10 |

- | | | |
|-------------|-------------|------------|
| (28) 10 | (29) 8 | (30) 30 |
| (31) 28 | (32) 4 | (33) 7 |
| (34) 7 | (35) 6 | (36) 8 |
| (37) 6 | (38) 8 | (39) 9 X 2 |
| (40) 3 X 10 | (41) 105 | (42) 1 500 |
| (43) 4 | (44) 505 | (45) 70 |
| (46) 90 | (47) Square | (48) 4 |
| (49) 200 ml | (50) litre | |

Second Complete the following

- (1) 205 6011 (2) Seven hundred thousand, six hundred and eight
(3) 775 853 (4) 998 756 (5) 7 4
(6) $70\,000 + 7\,000 + 800 + 50 + 6$

Model 1

1. The area = 5×2
 = 10 square cm
 The perimeter = $(5 + 2) \times 2$
 = 14 cm

2. The area = 3×3
 = 9 square cm
 The perimeter = 3×4
 = 12 cm

3. The area = 7×4
 = 28 square cm
 The perimeter = $(7 + 4) \times 2$
 = 22 cm

4. The area = 7×3
 = 21 square cm
 The perimeter = $(7 + 3) \times 2$
 = 20 cm

5. The area = 7×7
 = 49 square cm
 The perimeter = 7×4
 = 28 cm

Model 2

1. Use your ruler to measure each of the side lengths of the following shapes. How long is the perimeter?

2. The perimeter = $6 + 3 + 6 + 3 = 18$ cm

3. The perimeter = $4 + 4 + 4 + 4 = 16$ cm

4. What is better for measuring the volume of liquid in (a) capacity? (b) milliliters or liters?

5. Arrange the following:

6. The number 40 100 is made up of 40 hundreds and 10 tens.

7. 60 hundreds = 6 thousands = 6000.

8. 300 tens = 3000.

9. 700 tens = 7000.

10. The number 100 is made up of 10 hundreds and 0 tens.

Model 3

1. Choose the correct answer.

2. The number 40 100 is made up of 40 hundreds and 10 tens.

3. 60 hundreds = 6 thousands = 6000.

4. 300 tens = 3000.

5. 700 tens = 7000.

6. The number 100 is made up of 10 hundreds and 0 tens.

7. 60 hundreds = 6 thousands = 6000.

8. 300 tens = 3000.

9. 700 tens = 7000.

10. The number 100 is made up of 10 hundreds and 0 tens.

Model 4

1. Choose the correct answer.

2. The number 40 100 is made up of 40 hundreds and 10 tens.

3. 60 hundreds = 6 thousands = 6000.

4. 300 tens = 3000.

5. 700 tens = 7000.

6. The number 100 is made up of 10 hundreds and 0 tens.

7. 60 hundreds = 6 thousands = 6000.

8. 300 tens = 3000.

9. 700 tens = 7000.

10. The number 100 is made up of 10 hundreds and 0 tens.

Model 5

1. Choose the correct answer.

2. The number 40 100 is made up of 40 hundreds and 10 tens.

3. 60 hundreds = 6 thousands = 6000.

4. 300 tens = 3000.

5. 700 tens = 7000.

6. The number 100 is made up of 10 hundreds and 0 tens.

7. 60 hundreds = 6 thousands = 6000.

8. 300 tens = 3000.

9. 700 tens = 7000.

10. The number 100 is made up of 10 hundreds and 0 tens.

Model 6

1. Choose the correct answer.

2. The number 40 100 is made up of 40 hundreds and 10 tens.

3. 60 hundreds = 6 thousands = 6000.

4. 300 tens = 3000.

5. 700 tens = 7000.

6. The number 100 is made up of 10 hundreds and 0 tens.

7. 60 hundreds = 6 thousands = 6000.

8. 300 tens = 3000.

9. 700 tens = 7000.

10. The number 100 is made up of 10 hundreds and 0 tens.

Model 7

1. Arrange the following numbers in order of increasing size.

2. The following line plot shows the favorite fruit types for 25 children.

3. Which fruit is liked the most? Apples.

4. Which fruit is liked the least? Pears.

5. Find the area and the perimeter of the figure.

6. The area = 6×3
 = 18 square cm
 The perimeter = $(6 + 3) \times 2$
 = 18 cm

Model 8

1. Choose the correct answer.

2. The number 40 100 is made up of 40 hundreds and 10 tens.

3. 60 hundreds = 6 thousands = 6000.

4. 300 tens = 3000.

5. 700 tens = 7000.

6. The number 100 is made up of 10 hundreds and 0 tens.

7. 60 hundreds = 6 thousands = 6000.

8. 300 tens = 3000.

9. 700 tens = 7000.

10. The number 100 is made up of 10 hundreds and 0 tens.

Model 9

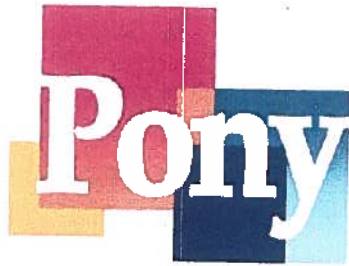
1. Complete the missing factor in the triangle.

2. Match each quadrilateral to its name.

3. On the grid below, draw and label as many rectangles as you can with the area of 16 square units. You can use a ruler to help you.

4. The area = 4×4
 = 16 square units

5. The area = 4×4
 = 16 square units



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